

Stanford



Juhn Liou

Professor of Geological and Environmental Sciences, Emeritus
Earth & Planetary Sciences

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Earth & Planetary Sciences

ADMINISTRATIVE APPOINTMENTS

- Resident Research Fellow, National Research Council at MSC, NASA, (1970-1972)
- Postdoctoral Fellow, University of California, Los Angeles, National Science Foundation, (1970-1970)
- Assistant Professor of Geology,, Stanford University, (1972-1976)
- Associate Professor of Geology,, Stanford University, (1976-1983)
- Professor of Geology, Stanford University, (1983-1993)
- Professor of Geological and Environmental Sciences, Stanford University, (1993-2005)
- Professor of Geological and Environmental Sciences, Emeritus, Stanford University, (2005- present)

HONORS AND AWARDS

- Mineralogical Society of America Award, Mineralogical Society of America (1977)
- Fellow, Mineralogical Society of America (1978)
- Guggenheim Fellow, Guggenheim Fellowship (1978-1979)
- Fellow, Geological Society of America (1979)
- Te-Run Scholar Prize for Research Paper,, Annual award for scientific research for exploration of jade and mineral resources in Taiwan (1983)
- Honor Professor, Chinese Academy of Geological Sciences (1988)
- Honor Professor, Institute of Geology, Academia Sinica (1996)
- Fellow, Center of Global Partnership, National Science Foundation (2000)
- Visiting National Chair Professor, National Taiwan University (2004)
- The top 10 "highly cited" Earth Scientist, ISI Web of Science, Institute for Scientific Information (2007)
- The Geological Society of Japan International Prize (#####), Geological Society of Japan (2010)
- Roebling Medal, Mineralogical Society of America (2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Working Group, IUGS Subcommittee on the Systematics of Metamorphic Rocks, International Union of Geological Sciences (1984 - 2004)
- Member, IUGS Study Group on Very Low-Metamorphic Rocks, International Union of Geological Sciences (1986 - 2004)
- Member, Advisory Editorial Board, Island Arc (1992 - present)

- Member, Project III-6, International Lithosphere Program (1993 - 1999)
- Freshman Advisor, Stanford University (1993 - 2003)
- Sophomore Advisor, Stanford University (1994 - 2004)
- Coordinator, Peninsula Geological Society, Stanford (1995 - 2004)
- Member, Stanford Asian/Pacific Scholars Program Committee, Stanford University (1996 - 2000)
- Visiting Professor, Dept of Earth and Planetary Sciences, Tokyo Institute of Technology (1996 - 2000)
- Member, Editorial Board, Continental Dynamics (1997 - 1999)
- Member, Editorial Board, Episodes (1997 - 2003)
- Senior Associate Editor, International Geology Review (1997 - 2013)
- Editorial Committee Member, Acta Geoscientia Sinica (1997 - present)
- Convenor, Spec. Sess, "UHP Metamorphism & Geodynamics in Collision-Type Orogenic Belts", San Francisco, American Geophysical Union (1998 - 1998)
- Convenor, First Committee Meeting, Chinese Continental Deep Drilling Program, Stanford University (1998 - 1998)
- Convenor, International Workshop, "Ultrahigh-pressure Metamorphism and Exhumation", Stanford University (1998 - 1998)
- Convenor, Special Session, "Ultrahigh-Pressure Belts and Mantle-Crust Interaction", Taipei, Western Pacific Geophysics (1998 - 1998)
- Invited Speaker, Short Course, "UHP Mineralogy: Physics & Chemistry of Earth's Deep Interior, UC Davis, Mineralogical Society of America (1998 - 1998)
- Convenor, Spec. Symp., "Recent Progress in study on Kokchetav Massif and significance in Earth Sciences", April 26-28., Geological Society of Japan (1999 - 1999)
- Editor, Final Report, Task Group III-6, "Ultrahigh-pressure Metamorphism and Tectonics", International Geology Review (1999 - 1999)
- Guest Editor, Special Issue, "Garnet Peridotites of UHP terranes", Journal of Metamorphic Geology (1999 - 1999)
- Guest Editor, Special Issue, "The Kokchetav Ultrahigh-Pressure Metamorphic Massif, N.Kazakhstan", Island Arc (1999 - 1999)
- Invited Speaker, "The Kokchetav UHP Massif--Overview at Kokchetav, Kazakhstan", August 13-18, Field Eclogite Fourth Conference (1999 - 1999)
- Invited Speaker, "Ultrahigh-Pressure Metamorphism and Kokchetav Massif-Overview", April 26-28, Geological Society of Japan, Waseda University, Tokyo (1999 - 1999)
- Invited Speaker, Geophysical Laboratory, "Ultrahigh-Pressure Metamorphism in a Forbidden zone", May 21, Carnegie Institute (1999 - 1999)
- Invited Speaker, 60th Anniv., Geology Dept, "Ultrahigh-Pressure Metamorphism and Tectonics...", 12/20-12/23, National Taiwan University (1999 - 1999)
- Invited Speaker, "Role of Chinese in World Leadership in Res. & Education of Earth Sciences in the 21st Cent.", Beijing, Aug. 10-14, First World Chinese Earth Scientist Conference (1999 - 1999)
- Invited Speaker, Garnet Peridotites and Continental Collision, January 25 and April 20-23, Tokyo Institute of Technology, Kyoto University (1999 - 1999)
- Vice Chairman, Task Group III-8, Formation and Exhumation of Ultrahigh-Pressure Metamorphic Terranes, International Lithosphere Program on Processes and Geodynamics (1999 - 2004)
- Convenor, Special UHP session, Western Pacific AGU meeting, Tokyo, June 27-30, American Geophysical Union (2000 - 2000)
- Convenor, Second World Chinese Geologist Conference at Stanford, August 2-4, World Chinese Geologists (2000 - 2000)
- Invited Speaker, Garnet Peridotites and Continental Collision, January 25 and April 20-23, Tokyo Institute of Technology, Kyoto University (2000 - 2000)
- Convenor, August 30-31, 2001, Waseda UHP Workshop (2001 - 2001)
- Convenor, Spec. Sess., "Ultrahigh-Pressure Metamorphism: Mineralogy, Geochemistry and Petrology", Goldschmidt Annual Conference (2001 - 2001)
- Invited Speaker, "Current advance in the Study of UHP Metamorphism", 8/30-8/31, Waseda UHP workshop (2001 - 2001)
- Invited Speaker, "Ultrahigh-Pressure Metamorphism - A Perspective View", 9/25-28, Joint Geosciences Assembly, Taipei (2001 - 2001)
- Invited speaker at 5th International Eclogite Conference, "Progress in the study of UHP terranes..." , Nihama, Japan, 9/2-9/7, International Eclogite Conference (2001 - 2001)
- Invited speaker at the Opening Ceremony, "Recent Progress in the Study of UHP Metamorphism and Tectonics", 8/4, Chinese Continental Scientific Drilling in Donghai (2001 - 2001)
- Member, Organization Committee, 3rd World Chinese Geological Congress, Hong Kong, 12/19-12/22, World Chinese Geological Congress (2001 - 2001)

- Editor, "Diamond-bearing Kokchetav Massif, Kazakhstan: ...", Tokyo Academic Press (2001 - 2002)
- Chairman, GES Admission Committee, Stanford University (2001 - 2003)
- Chair, Fellowship Nomination Committee, Mineralogical Society of America (2001 - 2004)
- Advisory Committee member, 4th World Chinese Geological Congress in Nanking, May 22-22, World Chinese Geological Congress (2002 - 2002)
- Guest Editor, Special Issue on Petrochemical and Tectonic Processes of UHP/HP Terrane I, V. 44, No. 9, International Geology Review (2002 - 2002)
- Guest Editor, special Issue, "Ultra-high-Pressure metamorphism", Journal of Metamorphic Geology (2002 - 2002)
- Invited Speaker, 4th World Chinese Geological Congress in Nanking University (2002 - 2002)
- Invited Speaker, Croucher Adv. Study Inst. on Tectonic Processes in Evolution of China, 4/23-4/28, University of Hong Kong (2002 - 2002)
- Invited Speaker, Superplume Workshop, "Cenozoic Asian Fragmentation and ...", 1/28-1/31, Tokyo Institute of Technology (2002 - 2002)
- Invited speaker, Workshop on Subduction-collision processes: from ultrahigh pressure to ultralow temperature and from Archaean to present, Universitt Potsdam (2002 - 2002)
- Associate Editor, American Mineralogist (2002 - 2004)
- Member, Stanford oversea campus in China, Stanford University (2002 - 2004)
- Convenor, Special Session at the GSA annual meeting Phase relations, high P/T terrains, P-T-ometry, and Plate Pushing: tribute to W.Gary Ernst, Geological Society of America (2003 - 2003)
- Guest Editor, Special Issue on Petrochemical and Tectonic Processes of UHP/HP Terrane II (vol. 21, no. 3), Journal of Metamorphic Geology (2003 - 2003)
- Invited Speaker, Continental Dynamic Workshop, 9/28-29, Chinese Academic of Geological Sciences (2003 - 2003)
- Invited Umbgrove Lecture, "UHP metamorphism and continent subduction/collision", March 3rd, 2003, Universiteit Utrecht (2003 - 2003)
- International member of the editorial board, Earth Science-Journal of China, University of Geosciences (2003 - present)
- Advisory Committee member, 5th World Chinese Geological Congress in Taipei, May 18-20, World Chinese Geological Congress (2004 - 2004)
- Convenor, Topical Symposia, UHP Metamorphism: from the Nano scale to the plate tectonic scale, 32nd International Geological Congress in Florence (2004 - 2004)
- Convenor, spec. sess., Continental collision, ultrahigh-pressure, metamorphism & crustal recycling, Asian Ocean Geophysics, First Annual Meeting, July (2004 - 2004)
- Guest Editor, Phase relations, high P/T terrains, P-T-ometry, and Plate Pushing: a tribute to W.Gary Ernst, International Geology Review (2004 - 2004)
- Invited Speaker, UHP metamorphism and Continent collision in Academia Sinica, National Taiwan University, Cheng-Kun University and others in Taiwan (2004 - 2004)
- Invited Speaker, Short Course, Epidote Group Minerals at Goldschmidt Geochemical Conference in Copenhagen, June 3-4 (2004 - 2004)
- Member, Visiting Advisory Committee, Dept. of Geological Sciences, National Taiwan University (2004 - 2004)
- Visiting Chair Professor, Dept. of Geological Sciences, National Taiwan University (2004 - 2004)
- Editor, GSA International Book Series, v. 9: Phase relations, HP terranes, P-T-ometry, and plate pushing (2004 - 2006)
- Member, Advisory Committee, Dept. of Geological Sciences, National Taiwan University (2004 - 2007)
- Member, Advisory Committee, Institute of Earth Sciences, Academia Sinica, Taiwan (2004 - 2010)
- Editor, GSA Special Paper "UHP Metamorphism and Tectonics" (2005 - 2006)
- Editor, GSA Special Paper, v. 419 "Convergent Margin Terranes: a tribute to W. G.Ernst (2005 - 2009)
- Member, Visiting Advisory Committee, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan (2005 - 2010)
- Member, International Advisory Board, for the journal, Terrestrial, Atmospheric and Oceanic Sciences (TAO) (2005 - present)
- Editor, Journal of Asian Earth Sciences (2006 - present)
- Member, Search Committee for Director, Institute of Earth Sciences, Academia Sinica (2009 - 2010)
- 2nd Vice Chair, International Section, Geological Society of America (2011 - 2012)
- Chair, The First Joint Meeting between the GSA and Geological Society of China in Chengdu, China (2013) (2012 - 2013)
- Vice Chair, Organization Committee, 8th World Chinese Geological Congress in Taipei, 2015 (2014 - present)

PROFESSIONAL EDUCATION

- Ph.D., University of California, Los Angeles , Geology (1970)
- B.S., National Taiwan University , Geology (1962)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Petrochemical processes and tectonics of ultrahigh-pressure metamorphic terranes

Publications

PUBLICATIONS

- **Discovery of clinoestatite in the Luobusa ophiolitic mantle peridotite recovered from a drill hole, Tibet** *JOURNAL OF ASIAN EARTH SCIENCES*
Zhang, R. Y., Shau, Y. H., Yang, J. S., Liou, J. G.
2017; 145: 605–12
- **BOR-MING JAHN (BMJ) biographical memoir and brief introduction to BMJ's scientific contributions and academic services** *JOURNAL OF ASIAN EARTH SCIENCES*
Liou, J. G.
2017; 145: 298–308
- **Raman spectra of polycrystalline microdiamond inclusions in zircons, and ultrahigh-pressure metamorphism of a quartzofeldspathic rock from the Erzgebirge terrane, Germany** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, R. Y., Liou, J. G., Lo, C.
2017; 59 (5-6): 779-792
- **Eclogite varieties and petrotectonic evolution of the northern Guatemala Suture Complex** *INTERNATIONAL GEOLOGY REVIEW*
Martens, U., Tsujimori, T., Liou, J. G.
2017; 59 (5-6): 721-740
- **U-Pb geochronology of zircon and rutile from the Kokchetav metamorphic belt, northern Kazakhstan, and its tectonic implications** *EUROPEAN JOURNAL OF MINERALOGY*
Zhang, R. Y., Li, X., Yui, T., Jahn, B., Liou, J. G., Ling, X.
2016; 28 (6): 1203-1213
- **Reworking of the Gangdese magmatic arc, southeastern Tibet: post-collisional metamorphism and anatexis** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, Z., Dong, X., Xiang, H., Ding, H., He, Z., Liou, J. G.
2015; 33 (1): 1-21
- **Recycling of crustal materials through study of ultrahigh-pressure minerals in collisional orogens, ophiolites, and mantle xenoliths: A review** *JOURNAL OF ASIAN EARTH SCIENCES*
Liou, J. G., Tsujimori, T., Yang, J., Zhang, R. Y., Ernst, W. G.
2014; 96: 386-420
- **Mid-Late Triassic metamorphic event for Changhai meta-sedimentary rocks from the SE Jiao-Liao-Ji Belt, North China Craton: Evidence from monazite U-Th-Pb and muscovite Ar-Ar dating** *JOURNAL OF ASIAN EARTH SCIENCES*
Liu, F., Wang, F., Liou, J. G., Meng, E., Liu, J., Yang, H., Xiao, L., Cai, J., Shi, J.
2014; 94: 205-225
- **Metagabbros of the Gangdese arc root, south Tibet: Implications for the growth of continental crust** *GEOCHIMICA ET COSMOCHIMICA ACTA*
Zhang, Z., Dong, X., Xiang, H., He, Z., Liou, J. G.
2014; 143: 268-284
- **Petrogenesis of metatexite and diatexite migmatites determined using zircon U-Pb age, trace element and Hf isotope data, Higo metamorphic terrane, central Kyushu, Japan** *JOURNAL OF METAMORPHIC GEOLOGY*
Maki, K., Yui, T., Miyazaki, K., Fukuyama, M., Wang, K., Martens, U., Grove, M., Liou, J. G.
2014; 32 (3): 301-323

- **(In Review) Metagabbros of the Gangdese arc root, south Tibet: implications for the growth of continental crust** *Geochemica et Cosmochimica Acta*
Zhang, Z. M., Dong, X., Xiang, H., Liou, J. G.
2014
- **Reworking of the Gangdese magmatic arc, Southeastern Tibet: Post-collisional metamorphism and anatexis** *Journal of Metamorphic Geology*
Zhang, Z., Dong, X., Xiang, H., Liou, J.
2014
- **Mid-Late Triassic metamorphic event for Changhai meta-sedimentary rocks from the SE Jiao-Liao-Ji Belt, North China Craton: Evidence from monazite U-Th-Pb and muscovite Ar-Ar dating** *Journal of Asian Earth Sciences*
Liu, F., Wang, F., Liou, J. G., et al
2014
- **(In Preparation) Recycling of UHP-UHT Diamonds and other Minerals from Subducted Continental/Oceanic Crust** *Invited Review for Journal of Asian Earth Sciences*
Liou, J. G., Tsujimori, T., Yang, J. S.
2014
- **Zircon U-Pb ages, trace element and Hf isotope compositions of migmatites from the Higo metamorphic terrane, central Kyushu, Japan: implications for the genesis of migmatites** *Journal of Metamorphic Geology*
Maki, K., Liou, J. G., et al
2014; 32
- **Building of the Deep Gangdese Arc, South Tibet: Paleocene Plutonism and Granulite-Facies Metamorphism** *JOURNAL OF PETROLOGY*
Zhang, Z., Dong, X., Xiang, H., Liou, J. G., Santosh, M.
2013; 54 (12): 2547-2580
- **THE FATE OF SUBDUCTED CONTINENTAL CRUST: EVIDENCE FROM RECYCLED UHP-UHT MINERALS** *ELEMENTS*
Liou, J. G., Tsujimori, T.
2013; 9 (4): 248-250
- **Is Myanmar jadeitite of Jurassic age? A result from incompletely recrystallized inherited zircon (vol 160, pg 268, 2013)** *LITHOS*
Yui, T., Fukuyama, M., Iizuka, Y., Wu, C., Wu, T., Liou, J. G., Grove, M.
2013; 168: 236-236
- **Oriented kokchetavite compound rods in clinopyroxene of Kokchetav ultrahigh-pressure rocks** *JOURNAL OF ASIAN EARTH SCIENCES*
Hwang, S. L., Yui, T. F., Chu, H. T., Shen, P., Liou, J. G., Sobolev, N. V.
2013; 63: 56-69
- **Is Myanmar jadeitite of Jurassic age? A result from incompletely recrystallized inherited zircon** *LITHOS*
Yui, T., Fukuyama, M., Iizuka, Y., Wu, C., Wu, T., Liou, J. G., Grove, M.
2013; 160: 268-282
- **Origin and Tectonic Implication of Ophiolite and Eclogite in the Song Ma Suture Zone between the South China and Indochina Blocks** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Lo, C., Chung, S., Grove, M., Omori, S., Iizuka, Y., Liou, J. G., Tri, T. V.
2013; 31 (1): 49-62
- **Recycling of UHP-UHT Minerals from Subducted Continental/Oceanic Crust** *Acta Geologica Sinica*
Liou, J. G., Tsujimori, T., Yang, J. S.
2013; 7: 489-491
- **Origin and tectonic implication of Sulu UHP peridotites from both CCSD-drill holes and outcrops: A comprehensive Review** *Acta Geologica Sinica*
Zhang, R. Y., Yang, J. S., Liou, J. S.
2013; 7: 524-526
- **The fate of subducted continental crusts: Evidence from recycle UHP-UHT minerals** *Element*
Liou, J. G., Tsujimori, T.
2013; 9: 248-250

- **Mineralogy, petrology, U-Pb geochronology, and geologic evolution of the Dabie-Sulu classic ultrahigh-pressure metamorphic terrane, East-Central China** *AMERICAN MINERALOGIST*
Liou, J. G., Zhang, R., Liu, F., Zhang, Z., Ernst, W. G.
2012; 97 (10): 1533-1543
- **Timing of eclogite-facies metamorphism of the Chuacús complex, Central Guatemala: Record of Late Cretaceous continental subduction of North America's sialic basement** *LITHOS*
Martens, U. C., Brueckner, H. K., Mattinson, C. G., Liou, J. G., Wooden, J. L.
2012; 146: 1-10
- **Tale of the Kulet eclogite from the Kokchetav Massive, Kazakhstan: Initial tectonic setting and transition from amphibolite to eclogite** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Liou, J. G., Omori, S., Sobolev, N. V., Shatsky, V. S., Iizuka, Y., Lo, C., Ogasawara, Y.
2012; 30 (5): 537-559
- **JUHN G. LIOU Acceptance of the Roebling Medal of the Mineralogical Society of America for 2011** *AMERICAN MINERALOGIST*
Liou, J. G.
2012; 97 (5-6): 1006-1007
- **Hf isotope and REE compositions of zircon from jadeitite (Tone, Japan and north of the Motagua fault, Guatemala): implications on jadeitite genesis and possible protoliths** *EUROPEAN JOURNAL OF MINERALOGY*
Yui, T., Maki, K., Wang, K., Lan, C., Usuki, T., Iizuka, Y., Wu, C., Wu, T., Nishiyama, T., Martens, U., Liou, J. G., Grove, M.
2012; 24 (2): 263-275
- **Ultrahigh-Pressure Metamorphism** *McGraw-Hill Encyclopedia of Science & Technology, vol 19*
Liou, J. G., Zhang, R. Y.
2012: 11-15
- **MSA Roebling Medal Lecture: Mineralogy, Petrology, U-Pb Geochronology, and Geologic Evolution of the Dabie-Sulu Classic Ultrahigh-Pressure Metamorphic Terrane, East-Central China** *American Mineralogist*
Liou, J. G., Zhang, R. Y., Liu, F. L., Zhang, Z. M., Ernst, W. G.
2012; 97: 1533-1543
- **Talc** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 18*
Liou, J. G.
2012: 166-167
- **Calcite** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 3*
Hacker, R. J., Liou, J. G.
2012: 391-393
- **Ophiolite** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 12*
Liou, J. G., Maruyama, S., Tsujimori, T., Ogasawara, Y.
2012: 166-167
- **Glaucofanite** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 8*
Liou, J. G., Corona, J. C., Tsujimori, T.,
2012: 150-151
- **Metasomatism of garnet peridotite from Jiangzhuang, southern Sulu UHP belt: constraints on the interactions between crust and mantle rocks during subduction of continental lithosphere** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, Z. M., Dong, X., Liou, J. G., Liu, F., Wang, W., Yui, F.
2011; 29 (9): 917-937
- **Evolution of the Sanbagawa and Shimanto high-pressure belts in SW Japan: Insights from K-Ar (Ar-Ar) geochronology** *JOURNAL OF ASIAN EARTH SCIENCES*
Itaya, T., Tsujimori, T., Liou, J. G.
2011; 42 (6): 1075-1090
- **Zircon U-Pb constraints on the origin of UHP meta-supracrustal rocks in the Southern Sulu orogen, eastern China** *8th International Eclogite Conference on Subduction and Exhumation History Recorded in HP-UHP Metamorphic Rocks*

- Yu, F., Zhang, Z., Wang, W., Liu, F., Dong, X., Liou, J. G.
PERGAMON-ELSEVIER SCIENCE LTD.2011: 740–51
- **Petrological and geochronological constraints on the origin of HP and UHP kyanite-quartzites from the Sulu orogen, Eastern China** *8th International Eclogite Conference on Subduction and Exhumation History Recorded in HP-UHP Metamorphic Rocks*
Wang, W., Zhang, Z., Yu, F., Liu, F., Dong, X., Liou, J. G.
PERGAMON-ELSEVIER SCIENCE LTD.2011: 618–32
 - **Fluid-rock interactions during UHP metamorphism: A review of the Dabie-Sulu orogen, east-central China** *JOURNAL OF ASIAN EARTH SCIENCES*
Zhang, Z. M., Shen, K., Liou, J. G., Dong, X., Wang, W., Yu, F., Liu, F.
2011; 42 (3): 316-329
 - **An AEM study of garnet clinopyroxenite from the Sulu ultrahigh-pressure terrane: formation mechanisms of oriented ilmenite, spinel, magnetite, amphibole and garnet inclusions in clinopyroxene** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Hwang, S., Yui, T., Chu, H., Shen, P., Zhang, R., Liou, J. G.
2011; 161 (6): 901-920
 - **Zircon as the best mineral for P-T-time history of UHP metamorphism: A review on mineral inclusions and U-Pb SHRIMP ages of zircons from the Dabie-Sulu UHP rocks** *JOURNAL OF ASIAN EARTH SCIENCES*
Liu, F. L., Liou, J. G.
2011; 40 (1): 1-39
 - **Origin and metamorphic evolution of Grt-clinopyroxenite from the Sulu UHP Terrane, China: Evidence from mineral microstructures and compositions** *UHP Metamorphism, 25 years after findings of coesite and diamond*
Zhang, R. Y., Liou, J. G., Xu, H. F., Huberty, J. M., Maki, K., Jahn, B. M., Iizuka, Y.
Elsevier.2011: 151–185
 - **Subduction-Zone metamorphism: from zeolite- through blueschist- and eclogite facies to UHP recrystallization** *News, Geological Society of Japan*
Liou, J. G.
2011; 13 (11): 24-29
 - **Geochronology of the Sanbagawa belt, SW Japan** *Journal of Asian Earth Sciences*
Itaya, T., Tsujimori, T., Liou, J. G.
2011; 42: 1075-1090
 - **Two stages of granulite facies metamorphism in the eastern Himalayan syntaxis, south Tibet: petrology, zircon geochronology and implications for the subduction of Neo-Tethys and the Indian continent beneath Asia** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, Z. M., Zhao, G. C., Santosh, M., Wang, J. L., Dong, X., Liou, J. G.
2010; 28 (7): 719-733
 - **Origin and tectonic implication of an UHP metamorphic mafic-ultramafic complex from the Sulu UHP terrane, eastern China: Evidence from petrological and geochemical studies of CCSD-Main Hole core samples** *CHEMICAL GEOLOGY*
Zhang, R. Y., Jahn, B., Liou, J. G., Yang, J. S., Chiu, H., Chung, S., Li, T., Lo, C.
2010; 276 (1-2): 69-87
 - **Geochemistry of garnetiferous Ti-clinohumite rock and talc-kyanite-phengite-almandine schist from the Kokchetav UHP terrane, Kazakhstan: An insight to possible origins of some chemically unusual UHP rocks** *LITHOS*
Yui, T., Chu, H., Hwang, S., Shen, P., Wu, T., Liou, J. G., Sobolev, N. V.
2010; 118 (1-2): 131-144
 - **Zircon U-Pb ages, REE concentrations and Hf isotope compositions of granitic leucosome and pegmatite from the north Sulu UHP terrane in China: Constraints on the timing and nature of partial melting** *LITHOS*
Liu, F., Robinson, P. T., Gerdes, A., Xue, H., Liu, P., Liou, J. G.
2010; 117 (1-4): 247-268
 - **Genesis of Guatemala jadeitite and related fluid characteristics: Insight from zircon** *CHEMICAL GEOLOGY*
Yui, T., Maki, K., Usuki, T., Lan, C., Martens, U., Wu, C., Wu, T., Liou, J. G.
2010; 270 (1-4): 45-55
 - **Two-stages of granulite-facies metamorphism in the eastern Himalayan syntaxis, south Tibet: Evidence for the subduction of the Neo-Tethys and Indian continent beneath Asia** *Journal of Metamorphic Geology*

- Zhang, Z. M., Chao, C. C., Santosh, M., Wang, J. L., Dong, X., Liou, J. G.
2010; 28: 719-733
- **Metamorphic P-T conditions and thermal structure of Chinese Continental Scientific Drilling main hole eclogites: Fe-Mg partitioning thermometer vs. Zr-in-rutile thermometer** *33rd International Geological Congress (IGC)*
Zhang, R. Y., Iizuka, Y., Ernst, W. G., Liou, J. G., Xu, Z., Tsujimori, T., Lo, C., Jahn, B.
WILEY-BLACKWELL.2009: 757-72
 - **Unique coesite-bearing zircon from allanite-bearing gneisses: U-Pb, REE and Lu-Hf properties and implications for the evolution of the Sulu UHP terrane, China** *EUROPEAN JOURNAL OF MINERALOGY*
Liu, F., Gerdes, A., Liou, J., Liu, P.
2009; 21 (6): 1225-1250
 - **Kumdykolite, an orthorhombic polymorph of albite, from the Kokchetav ultrahigh-pressure massif, Kazakhstan** *EUROPEAN JOURNAL OF MINERALOGY*
Hwang, S., Shen, P., Chu, H., Yui, T., Liou, J. G., Sobolev, N. V.
2009; 21 (6): 1325-1334
 - **Detrital zircon evidence for the antiquity of Taiwan** *GEOSCIENCES JOURNAL*
Lan, C., Usuki, T., Wang, K., Yui, T., Okamoto, K., Lee, Y., Hirata, T., Kon, Y., Orihashi, Y., Liou, J. G., Lee, C.
2009; 13 (3): 233-243
 - **Early Paleozoic medium-pressure metamorphism in central Vietnam: evidence from SHRIMP U-Pb zircon ages** *GEOSCIENCES JOURNAL*
Usuki, T., Lan, C., Yui, T., Iizuka, Y., Vu, V. T., Tran, T. A., Okamoto, K., Wooden, J. L., Liou, J. G.
2009; 13 (3): 245-256
 - **The Dabie-Sulu continental collision zone: A comprehensive review** *GONDWANA RESEARCH*
Zhang, R. Y., Liou, J. G., Ernst, W. G.
2009; 16 (1): 1-26
 - **Tectonics and HP-UHP metamorphism of northern Tibet - Preface** *JOURNAL OF ASIAN EARTH SCIENCES*
Liou, J. G., Ernst, W. G., Song, S. G., JAHN, B. M.
2009; 35 (3-4): 191-198
 - **Geochemistry and zircon U-Pb dating and its implications of the Yukahe HP/UHP terrane, the North Qaidam, NW China** *8th International Eclogite Conference*
Chen, D. L., Liu, L., Sun, Y., Liou, J. G.
PERGAMON-ELSEVIER SCIENCE LTD.2009: 259-72
 - **Petrology and geochronology of HP-UHP rocks from the South Altyn Tagh, northwestern China** *8th International Eclogite Conference*
Liu, L., Wang, C., Chen, D., Zhang, A., Liou, J. G.
PERGAMON-ELSEVIER SCIENCE LTD.2009: 232-44
 - **Tectonic evolution of early Paleozoic HP metamorphic rocks in the North Qilian Mountains, NW China: New perspectives** *8th International Eclogite Conference*
Song, S., Niu, Y., Zhang, L., Wei, C., Liou, J. G., Su, L.
PERGAMON-ELSEVIER SCIENCE LTD.2009: 334-53
 - **Ultrahigh-pressure minerals and metamorphic terranes - The view from China** *8th International Eclogite Conference*
Liou, J. G., Ernst, W. G., Zhang, R. Y., Tsujimori, T., JAHN, B. M.
PERGAMON-ELSEVIER SCIENCE LTD.2009: 199-231
 - **Source of coesite inclusions within inherited magmatic zircon from Sulu UHP rocks, eastern China, and their bearing for fluid-rock interaction and SHRIMP dating** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, Z. M., Schertl, H., Wang, J. L., Shen, K., Liou, J. G.
2009; 27 (4): 317-333
 - **The timing of the retrograde partial melting in the Kumdy-Kol region (Kokchetav Massif, Northern Kazakhstan)** *Joint Meeting of the International Eclogitic Conference/Task Force IV of the International Lithosphere Program*
Ragozin, A. L., Liou, J. G., Shatsky, V. S., Sobolev, N. V.
ELSEVIER SCIENCE BV.2009: 274-84

- **Petrogenesis of eclogites enclosed in mantle-derived peridotites from the Sulu UHP terrane: constraints from trace elements in minerals and Hf isotopes in zircon** *Joint Meeting of the International Eclogitic Conference/Task Force IV of the International Lithosphere Program*
Zhang, R. Y., Liou, J. G., Zheng, J. R., Griffin, W. L., Yang, Y., Jahn, B.
ELSEVIER SCIENCE BV.2009: 176-92
- **First record of K-cymrite in North Qaidam UHP eclogite, Western China** *AMERICAN MINERALOGIST*
Zhang, R. Y., Liou, J. G., Iizuka, Y., Yang, J. S.
2009; 94 (2-3): 222-228
- **Late Triassic-Late Cretaceous accretion/subduction in the Taiwan region along the eastern margin of South China - evidence from zircon SHRIMP dating** *INTERNATIONAL GEOLOGY REVIEW*
Yui, T. F., Okamoto, K., Usuki, T., Lan, C. Y., Chu, H. T., Liou, J. G.
2009; 51 (4): 304-328
- **Metamorphic evolution of early Paleozoic HP rocks in the north Qilian mountains, NW China: a reappraisal** *Journal of Asian Earth Sciences*
Song, S., Niu, Y., Zhang, L., Wei, C., Liou, J. G.
2009; 35: 334-353
- **Identification of Ordovician medium-pressure metamorphism in central Vietnam: evidence from SHRIMP U-Pb zircon ages** *Geosciences Journal*
Usuki, T., Lan, C. Y., Yui, T. F., Iizuka, Y., Vu, V. T., Tran, T. A., Okamoto, K., Wooden, J., Liou, J. G.
2009; 13: 245-256
- **High- and ultrahigh-pressure metamorphism: Past results and future prospects** *AMERICAN MINERALOGIST*
Ernst, W. G., Liou, J. G.
2008; 93 (11-12): 1771-1786
- **Chemical composition and ultrahigh-P metamorphism of garnet peridotites from the Sulu UHP terrane, China: Investigation of major, trace elements and Hf isotopes of minerals** *CHEMICAL GEOLOGY*
Zhang, R. Y., Pan, Y. M., Yang, Y. H., Li, T. F., Liou, J. G., Yang, J. S.
2008; 255 (1-2): 250-264
- **Fluids in deeply subducted continental crust: Petrology, mineral chemistry and fluid inclusion of UHP metamorphic veins from the Sulu orogen, eastern China** *GEOCHIMICA ET COSMOCHIMICA ACTA*
Zhang, Z., Shen, K., Sun, W., Liu, Y., Liou, J. G., Shi, C., Wang, J.
2008; 72 (13): 3200-3228
- **U-Pb zircon geochronology using LA-ICP-MS in the North Pole Dome, Pilbara Craton, Western Australia: A new tectonic growth model for the Archean Chert/Greenstone succession** *INTERNATIONAL GEOLOGY REVIEW*
Kitajima, K., Hirata, T., Maruyama, S., Yamanashi, T., Sano, Y., Liou, J. G.
2008; 50 (1): 1-14
- **Permo-triassic orogeny and metallogenesis along the east Asian margin—subduction-zone metamorphism, crustal accretion, and exhumation** *Arizona Geological Society Digest*
Ernst, W. G., Tsujimori, T., Zhang, R., Liou, J. G.
2008; 22: 151-180
- **The Hf isotope compositions and petrogenetic origin of garnet peridotite from the Sulu UHP terrane, China** *Chemical Geology*
Zhang, R. Y., Pan, Y. M., Yang, Y. H., Li, T. F., Liou, J. G., Wu, F. Y.
2008; 255: 250-264
- **Retrograde reactions of an ultrahigh-pressure metamorphic spinel pyroxenite lens, northeast sulu UHP terrane, eastern China** *INTERNATIONAL GEOLOGY REVIEW*
Yang, T. N., Zeng, L., Zhao, Z. R., Liou, J. G.
2008; 50 (1): 32-47
- **A brief review of UHP meta-ophiolitic rocks, southwestern Tianshan, western China** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, L., Ai, Y., Song, S., Liou, J., Wei, C.
2007; 49 (9): 811-823
- **Petrology and U-PbSHRIMP geochronology of a garnet peridotite, Sulu UHP terrane, east-central China** *INTERNATIONAL GEOLOGY REVIEW*
Zhao, R., Liou, J. G., Tsujimori, T., Zhang, R. Y.

2007; 49 (8): 732-752

- **Eclogite and carpholite-bearing metasedimentary rocks in the North Qilian suture zone, NW China: implications for early palaeozoic cold oceanic subduction and water transport into mantle** *JOURNAL OF METAMORPHIC GEOLOGY*
Song, S. G., Zhang, L. F., Niu, Y., Wie, C. J., Liou, J. G., Shu, G. M.
2007; 25 (5): 547-563
- **Triassic collision of western Tianshan orogenic belt, China: Evidence from SHRIMP U-Pb dating of zircon from HP/UHP eclogitic rocks** *International Conference on Origin, Evolution and Present State of Subcontinental Lithosphere*
Zhang, L., Ai, Y., Li, X., Rubatto, D., Song, B., Williams, S., Song, S., Ellis, D., Liou, J. G.
ELSEVIER SCIENCE BV.2007: 266-80
- **Ultrahigh-pressure metamorphic belts in China: Major progress in the past several years** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, R. Y., Liou, J. G., Ernst, W. G.
2007; 49 (6): 504-519
- **Very high-pressure orogenic garnet peridotites** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Liou, J. G., Zhang, R. Y., Ernst, W. G.
2007; 104 (22): 9116-9121
- **Ultrahigh-Pressure mineral assemblages in zircons from the surface to 5158 m depth in cores of the main drill hole, Chinese Continental Scientific Drilling Project, Southwestern Sulu Belt, China** *INTERNATIONAL GEOLOGY REVIEW*
Liu, F., Xu, Z., Liou, J. G., Dong, H., Xue, H.
2007; 49 (5): 454-478
- **Fluid inclusions associated with exsolved quartz needles in omphacite of UHP eclogites, Chinese Continental Scientific Drilling main drill hole** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, Z., Shen, K., Liou, J. G., Zhao, X.
2007; 49 (5): 479-486
- **Significance of the Ca-Na pyroxene-lawsonite-chlorite assemblage in blueschist-facies metabasalts: An example from the renga metamorphic rocks, Southwest Japan** *INTERNATIONAL GEOLOGY REVIEW*
Tsujimori, T., Liou, J. G.
2007; 49 (5): 416-430
- **On the origin of oriented rutile needles in garnet from UHP eclogites** *JOURNAL OF METAMORPHIC GEOLOGY*
Hwang, S. L., Yui, T. F., Chu, H. T., Shen, P., Schertl, H. P., Zhang, R. Y., Liou, J. G.
2007; 25 (3): 349-362
- **Petrogenesis of the garnet peridotite and garnet-free peridotite of the Zhimafang ultramafic body in the Sulu ultrahigh-pressure metamorphic belt, eastern China** *JOURNAL OF METAMORPHIC GEOLOGY*
Yang, J. S., Zhang, R. Y., Li, T. F., Zhang, Z. M., Liou, J. G.
2007; 25 (2): 187-206
- **Petrochemistry, oxygen isotopes and U-PbSHRIMP geochronology of mafic-ultramafic bodies from the Sulu UHP terrane, China** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhao, R., Zhang, R. Y., Liou, J. G., Booth, A. L., Pope, E. C., CHAMBERLAIN, C. P.
2007; 25 (2): 207-224
- **Multiple metasomatism in Sulu ultrahigh-P garnet peridotite constrained by petrological and geochemical investigations** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Li, T., Rumble, D., Yui, T., Li, L., Yang, J. S., Pan, Y., Liou, J. G.
2007; 25 (2): 149-164
- **Permo-Triassic collision, subduction-zone metamorphism, and tectonic exhumation along the east Asian continental margin** *ANNUAL REVIEW OF EARTH AND PLANETARY SCIENCES*
Ernst, W. G., Tsujimori, T., Zhang, R., Liou, J. G.
2007; 35: 73-110
- **The UHP metamorphosed ophiolitic rocks from Southwestern Tianshan, China: a brief review** *International Geology Review*
Zhang, L., Ai, Y., Li, Q., Song, S., Liou, J. G., Wei, C.

2007; 49: 811-823

- **Convergent Margin Terranes and Associated Regions- A tribute to W.G. Ernst** *Geological Society of American, Special Paper, v. 419, 273pp*
Cloos, M., Carlson, W. D., Gilbert, M. C., Liou, J. G., Sorensen, S. S.
2007
- **Very-high-pressure orogenic garnet peridotites: A new widow to mantle processes** *Proceedings of National Academy Sciences*
Liou, J. G., Zhang, R. Y., Ernst, W. G.
2007; 104: 9116-9121
- **Convergent Margin Terranes and Associated Regions- A tribute to W.G. Ernst** *Geological Society of American, Special Paper, v. 419, 273pp*
Cloos, M., Carlson, W. D., Gilbert, M. C., Liou, J. G., Sorensen, S. S.
2007
- **Very-low-temperature record of the subduction process: A review of worldwide lawsonite eclogites** *LITHOS*
Tsujimori, T., Sisson, V. B., Liou, J. G., Harlow, G. E., Sorensen, S. S.
2006; 92 (3-4): 609-624
- **Identification of UHP and non-UHP orthogneisses in the Sulu UHP terrane, eastern China: Evidence from SHRIMP U-Pb dating of mineral inclusion-bearing zircons** *INTERNATIONAL GEOLOGY REVIEW*
Liu, F., Liou, J. G., Xue, H.
2006; 48 (12): 1067-1086
- **Mineral and fluid inclusions in zircon of UHP metamorphic rocks from the CCSZ-main drill hole: A record of metamorphism and fluid activity** *LITHOS*
Zhang, Z., Shen, K., Xiao, Y., Hoefs, J., Liou, J. G.
2006; 92 (3-4): 378-398
- **Age and duration of eclogite-facies metamorphism, North Qaidam HP/UHP terrane, western China** *AMERICAN JOURNAL OF SCIENCE*
Mattinson, C. G., Wooden, J. L., Liou, J. G., Bird, D. K., Wu, C. L.
2006; 306 (9): 683-711
- **Mineral chemistry of peridotites from Paleozoic, Mesozoic and Cenozoic lithosphere: Constraints on mantle evolution beneath eastern China** *JOURNAL OF PETROLOGY*
Zheng, J., Griffin, W. L., O'Reilly, S. Y., Yang, J., Li, T., Zhang, M., Zhang, R. Y., Liou, J. G.
2006; 47 (11): 2233-2256
- **Petrogenesis of Maobei rutile eclogites from the southern Sulu ultrahigh-pressure metamorphic belt, eastern China** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, Z. M., Liou, J. G., Zhao, X. D., Shi, C.
2006; 24 (8): 727-741
- **Zircon-inclusion mineralogy of a diamond-grade eclogite from the Kokchetav massif, northern Kazakhstan** *INTERNATIONAL GEOLOGY REVIEW*
Okamoto, K., Katayama, I., Maruyama, S., Liou, J. G.
2006; 48 (10): 882-891
- **Ultrahigh pressure metamorphic rocks from the Chinese Continental Scientific Drilling Project: I. Petrology and geochemistry of the main hole (0-2,050 m)** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Zhang, Z., Xiao, Y., Hoefs, J., Liou, J. G., Simon, K.
2006; 152 (4): 421-441
- **Geochronology and tectonic significance of Middle Proterozoic granitic orthogneiss, North Qaidam HP/UHP terrane, Western China** *7th International Eclogite Conference*
Mattinson, C. G., Wooden, J. L., Liou, J. G., Bird, D. K., Wu, C. L.
SPRINGER WIEN.2006: 227-41
- **Protolith and metamorphic ages of the Haiyangsuo Complex, eastern China: a non-UHP exotic tectonic slab in the Sulu ultrahigh-pressure terrane** *7th International Eclogite Conference*
Liou, J. G., Tsujimori, T., Chu, W., Zhang, R. Y., Wooden, J. L.
SPRINGER WIEN.2006: 207-26
- **Franciscan eclogite revisited: Reevaluation of the P-T evolution of tectonic blocks from Tiburon Peninsula, California, USA** *7th International Eclogite Conference*

- Tsujimori, T., Matsumoto, K., Wakabayashi, J., Liou, J. G.
SPRINGER WIEN.2006: 243–67
- **SHRIMP U-Pb zircon dating from Sulu-Dabie dolomitic marble, eastern China: constraints on prograde, ultrahigh-pressure and retrograde metamorphic ages** *JOURNAL OF METAMORPHIC GEOLOGY*
Liu, F. L., Gerdes, A., Liou, J. G., Xue, H. M., Liang, F. H.
2006; 24 (7): 569-589
 - **Petrology and geochemistry of boninite-series volcanic rocks, Chichi-Jima, Bonin Islands, Japan** *INTERNATIONAL GEOLOGY REVIEW*
Dobson, P. F., Blank, J. G., Maruyama, S., Liou, J. G.
2006; 48 (8): 669-701
 - **Granulite xenoliths and their zircons, Tuoyun, NW China: Insights into southwestern Tianshan lower crust** *PRECAMBRIAN RESEARCH*
Zheng, J. P., Griffin, W. L., O'Reilly, S. Y., Zhang, M., Liou, J. G., Pearson, N.
2006; 145 (3-4): 159-181
 - **Triassic paragonite- and garnet-bearing epidote-amphibolite from the Hida Mountains, Japan** *GONDWANA RESEARCH*
Tsujimori, T., Liou, J. G., Ernst, W. G., Itaya, T.
2006; 9 (1-2): 167-175
 - **Polyphase subduction and exhumation of the Sulu high-pressure-ultrahigh-pressure metamorphic terrane** *32nd International Geological Congress*
Xu, Z., Zeng, L., Liu, F., Yang, J., Zhang, Z., McWilliams, M., Liou, J. G.
GEOLOGICAL SOC AMER INC.2006: 93–113
 - **SHRIMP U-Pb zircon dating of the Rongcheng eclogite and associated peridotite: New constraints for ultrahigh-pressure metamorphism of mantle-derived mafic-ultramafic bodies from the Sulu terrane** *32nd International Geological Congress*
Zhao, R., Liou, J. G., Zhang, R. Y., Li, T.
GEOLOGICAL SOC AMER INC.2006: 115–125
 - **Non-ultrahigh-pressure unit bordering the Sulu ultrahigh-pressure terrane, eastern China: Transformation of Proterozoic granulite and gabbro to garnet amphibolite** *32nd International Geological Congress*
Zhang, R. Y., Liou, J. G., Tsujimori, T., Maruyama, S.
GEOLOGICAL SOC AMER INC.2006: 169–206
 - **Petrologic characterization of Guatemalan lawsonite eclogite: Eclogitization of subducted oceanic crust in a cold subduction zone** *32nd International Geological Congress*
Tsujimori, T., Sisson, V. B., Liou, J. G., Harlow, G. E., Sorensen, S. S.
GEOLOGICAL SOC AMER INC.2006: 147–168
 - **Petrologic study of ultrahigh-pressure metamorphic cores from 100 to 2000 m depth in the main hole of the Chinese Continental Scientific Drilling Project, eastern China** *INTERNATIONAL GEOLOGY REVIEW*
Su, S. G., Liou, J. G., You, Z. D., Liang, F. H., Zhang, Z. M.
2005; 47 (11): 1144-1159
 - **Petrogenesis of UHP metamorphic crustal and Mantle rocks from the Chinese Continental Scientific Drilling Pre-pilot Hole 1, Sulu belt, eastern China** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, Z. M., Xiao, Y. L., Hoefs, J., Xu, Z. Q., Liou, J. G.
2005; 47 (11): 1160-1177
 - **Heterogeneous and metasomatized mantle recorded by trace elements in minerals of the Donghai garnet peridotites, Sulu UHP terrane, China** *CHEMICAL GEOLOGY*
Zheng, J. P., Zhang, R. Y., Griffin, W. L., Liou, J. G., O'Reilly, S. Y.
2005; 221 (3-4): 243-259
 - **Accretionary complex origin of the mafic-ultramafic bodies of the Sanbagawa belt, Central Shikoku, Japan** *INTERNATIONAL GEOLOGY REVIEW*
Terabayashi, M., Okamoto, K., Yamamoto, H., Kaneko, Y., Ota, T., Maruyama, S., Katayama, I., Komiya, T., Ishikawa, A., Anma, R., Ozawa, H., Windley, B. E., Liou, et al
2005; 47 (10): 1058-1073
 - **Mineral evolution of a garnet-pyroxenite nodule within eclogite, eastern Sulu ultrahigh-pressure metamorphic terrane, East China** *JOURNAL OF METAMORPHIC GEOLOGY*

- Yang, T. N., Zeng, L., Liou, J. G.
2005; 23 (8): 667-680
- **Low-pressure and low-temperature K-bearing kosmochloric diopside from the Osayama serpentinite melange, SW Japan** *AMERICAN MINERALOGIST*
Tsujimori, T., Liou, J. G.
2005; 90 (10): 1629-1635
 - **U-pb dating of large zircons in low-temperature jadeitite from the Osayama serpentinite melange, Southwest Japan: Insights into the timing of serpentinitization** *INTERNATIONAL GEOLOGY REVIEW*
Tsujimori, T., Liou, J. G., Wooden, J., Miyamoto, T.
2005; 47 (10): 1048-1057
 - **U-PbSHRIMP geochronology of zircon in garnet peridotite from the Sulu UHP terrane, China: Implications for mantle metasomatism and subduction-zone UHP metamorphism** *EARTH AND PLANETARY SCIENCE LETTERS*
Zhang, R. Y., Yang, J. S., Wooden, J. L., Liou, J. G., Li, T. F.
2005; 237 (3-4): 729-743
 - **SHRIMP U-Pb dating of zircon from the Xugou UHP eclogite, Sulu terrane, eastern China** *INTERNATIONAL GEOLOGY REVIEW*
Zhao, R. X., Liou, J. G., Zhang, R. Y., Wooden, J. L.
2005; 47 (8): 805-814
 - **From snowball to Phanerozoic Earth** *INTERNATIONAL GEOLOGY REVIEW*
Maruyama, S., Liou, J. G.
2005; 47 (8): 775-791
 - **Limiting effects of UHP metamorphism on length scales of oxygen, hydrogen, and argon isotope exchange: An example from the qinglongshan UHP eclogites, Sulu Terrain, China** *INTERNATIONAL GEOLOGY REVIEW*
Cosca, M. A., Giorgis, D., Rumble, D., Liou, J. G.
2005; 47 (7): 716-749
 - **Sodic amphibole exsolutions in garnet from garnet-peridotite, North Qaidam UHPM belt, NW China: Implications for ultradeep-origin and hydroxyl defects in mantle garnets** *Annual Meeting of the Geological-Society-of-America*
Song, S. G., Zhang, L. F., Chen, J., Liou, J. G., Niu, Y. L.
MINERALOGICAL SOC AMER.2005: 814-20
 - **Factors in the preservation of coesite: The importance of fluid infiltration** *Annual Meeting of the Geological-Society-of-America*
Mosenfelder, J. L., Schertl, H. P., Smyth, J. R., Liou, J. G.
MINERALOGICAL SOC AMER.2005: 779-89
 - **U-PbSHRIMP ages recorded in the coesite-bearing zircon domains of paragneisses in the southwestern Sulu terrane, eastern China: New interpretation** *Annual Meeting of the Geological-Society-of-America*
Liu, F. L., Liou, J. G., Xu, Z. Q.
MINERALOGICAL SOC AMER.2005: 790-800
 - **Late mesozoic-eocene mantle replacement beneath the eastern North China craton: Evidence from the Paleozoic and Cenozoic peridotite xenoliths** *INTERNATIONAL GEOLOGY REVIEW*
Zheng, J. P., Griffin, W. L., O'Reilly, S. Y., Liou, J. G., Zhang, R. Y., Lu, F. X.
2005; 47 (5): 457-472
 - **Petrogenesis of the Yangkou layered garnet-peridotite complex, Sulu UHP terrane, China** *Annual Meeting of the Geological-Society-of-America*
Zhang, R. Y., Liou, J. G., Zheng, J. P., Griffin, W. L., Yui, T. F., Reilly, S. Y.
MINERALOGICAL SOC AMER.2005: 801-13
 - **Oxygen isotope geochemistry of rocks from the pre-pilot hole of the Chinese Continental Scientific Drilling Project (CCSD-PPH1)** *Annual Meeting of the Geological-Society-of-America*
Zhang, Z. M., Rumble, D., Liou, J. G., Xiao, Y. L., Gao, Y. J.
MINERALOGICAL SOC AMER.2005: 857-63
 - **Coexisting retrograde jadeite and omphacite in a jadeite-bearing lawsonite eclogite from the Motagua Fault Zone, Guatemala** *Annual Meeting of the Geological-Society-of-America*
Tsujimori, T., Liou, J. G., Coleman, R. G.

MINERALOGICAL SOC AMER.2005: 836–42

- **Petrogenesis of UHP metamorphic rocks from Qinglongshan, southern Sulu, east-central China** *LITHOS*
Zhang, Z. M., Xiao, Y. L., Liu, F. L., Liou, J. G., Hoefs, J.
2005; 81 (1-4): 189-207
- **Metamorphic evolution of the southwest Okcheon metamorphic belt in South Korea and its regional tectonic implications** *INTERNATIONAL GEOLOGY REVIEW*
Kim, S. W., Oh, C. W., Hyodo, H., Itaya, T., Liou, J. G.
2005; 47 (4): 344-370
- **Crust-derived potassic fluid in metamorphic microdiamond** *EARTH AND PLANETARY SCIENCE LETTERS*
Hwang, S. L., Shen, P., Chu, H. T., Yui, T. F., Liou, J. G., Sobolev, N. V., Shatsky, V. S.
2005; 231 (3-4): 295-306
- **Fluid composition and evolution attending UHP metamorphism: Study of fluid inclusions from drill cores, southern Sulu Belt, Eastern China** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, Z. M., Shen, K., Xiao, Y. L., van den Kerkhof, A. M., Hoefs, J., Liou, J. G.
2005; 47 (3): 297-309
- **Eclogite-facies mineral inclusions in clinozoisite from Paleozoic blueschist, central Chugoku Mountains, southwest Japan: Evidence of regional eclogite-facies metamorphism** *INTERNATIONAL GEOLOGY REVIEW*
Tsujimori, T., Liou, J. G.
2005; 47 (3): 215-232
- **Relict coesite exsolution in omphacite from Western Tianshan eclogites, China** *AMERICAN MINERALOGIST*
Zhang, L. F., Song, S. G., Liou, J. G., Ai, Y. L., Li, X. P.
2005; 90 (1): 181-186
- **UHP Metamorphism and Continent Subduction/Collision** *Metamorphism and Crustal Evolution*
Liou, J. G., Tsujimori, T., Zhang, R. Y., Katayama, I., Maruyama, S.,
edited by Thomas, H.
Atlantic Publishers & Distributors, New Delhi, India.2005: 285–313
- **Metasomatic alteration and tectonic setting of mafic and ultramafic rocks from the South Ural Mountains** *International Geology Review*
Beane, R., Liou, J. G.
2005; 47: 24-40
- **Garnet peridotites in UHP mountain belts of China** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, R. Y., Liou, J. G., Yang, J. S., Liu, L., JAHN, B. M.
2004; 46 (11): 981-1004
- **Epidote-rich talc-kyanite-phengite eclogites, Sulu terrane, eastern China: P-T-f(O₂) estimates and the significance of the epidote-talc assemblage in eclogite** *AMERICAN MINERALOGIST*
Mattinson, C. G., Zhang, R. Y., Tsujimori, T., Liou, J. G.
2004; 89 (11-12): 1772-1783
- **Kokchetavite: a new potassium-feldspar polymorph from the Kokchetav ultrahigh-pressure terrane** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Hwang, S. L., Shen, P. Y., Chu, H. T., Yui, T. F., Liou, J., Sobolev, N. V., Zhang, R. Y., Shatsky, V. S., Zayachkovsky, A. A.
2004; 148 (3): 380-389
- **SHRIMP U-Pb ages of ultrahigh-pressure and retrograde metamorphism of gneisses, south-western Sulu terrane, eastern China** *JOURNAL OF METAMORPHIC GEOLOGY*
Liu, F. L., Xu, Z. Q., Liou, J. G., Song, B.
2004; 22 (4): 315-326
- **Tracing the boundary between UHP and HP metamorphic belts in the southwestern Sulu terrane, Eastern China: Evidence from mineral inclusions in zircons from metamorphic rocks** *INTERNATIONAL GEOLOGY REVIEW*
Liu, F. L., Xu, Z. Q., Liou, J. G.
2004; 46 (5): 409-425

- **Metamorphic evolution of kyanite-staurolite-bearing epidote-amphibolite from the Early Palaeozoic Oeyama belt, SW Japan** *JOURNAL OF METAMORPHIC GEOLOGY*
Tsujimori, T., Liou, J. G.
2004; 22 (4): 301-313
- **Ultrahigh-pressure corundum-rich garnetite in garnet peridotite, Sulu terrane, China** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Zhang, R. Y., Liou, J. G., Zheng, J. P.
2004; 147 (1): 21-31
- **Coexisting chromian omphacite and diopside in tremolite schist from the Chugoku Mountains, SW Japan: The effect of Cr on the omphacite-diopside immiscibility gap** *AMERICAN MINERALOGIST*
Tsujimori, T., Liou, J. G.
2004; 89 (1): 7-14
- **A pictorial introduction to coarse-grained symplectites in low-temperature jadeitite from Guatemala.** *Journal of Geological Society of Japan*
Tsujimori, T., Liou, J. G., Coleman, R. G.
2004; 110: XVII-XVIII
- **Global UHP Metamorphism and Continent Subduction/Collision: The Himalayan Model** *International Geology Review*
Liou, J. G., Tsujimori, T., Zhang, R. Y., Katayama, I., Maruyama, S.
2004; 46 (1): 1-27
- **Garnet peridotites in several UHP mountain belts in China** *International Geology Review*
Zhang, R., Liou, J. G., Yang, J., Liu, L., Jahn, B. M.
2004; 46: 981-1004
- **Subduction, Collision, and Exhumation in the Qinling-Dabie Orogen: a Review** *Aspects of the Tectonic Evolution of China (ed., John Malpas), Special Paper 226*
Hacker, B. R., Ratschbacher, L., Liou, J. G.
edited by Malpas, J.
Geological Society of London.2004: 157-175
- **Epidote minerals in high P/T metamorphic terranes: Subduction zone and high- to ultrahigh-pressure metamorphism** *EPIDOTES*
Enami, M., Liou, J. G., Mattinson, C. G.
2004; 56: 347-398
- **Global UHP metamorphism and continental subduction/collision: The Himalayan model** *INTERNATIONAL GEOLOGY REVIEW*
Liou, J. G., Tsujimori, T., Zhang, R. Y., Katayama, I., Maruyama, S.
2004; 46 (1): 1-27
- **Titanium solubility in coexisting garnet and clinopyroxene at very high pressure: the significance of exsolved rutile in garnet** *EARTH AND PLANETARY SCIENCE LETTERS*
Zhang, R. Y., Zhai, S. M., Fei, Y. W., Liou, J. G.
2003; 216 (4): 591-601
- **US-Russian Civilian Research and Development Fund Project: An origin of microdiamonds in metamorphic rocks of the Kokchetav Massif, Northern Kazakhstan** *EPISODES*
Sobolev, N. V., Shatsky, V., Liou, J. G., Zhang, R. Y., Hwang, S. L., Shen, P., Chu, H., Yui, T. F., Zayachkovsky, A. A., Kasymov, M. A.
2003; 26 (4): 290-294
- **Petrology, geochemistry and isotopic ages of eclogites from the Dulan UHPM Terrane, the North Qaidam, NW China** *6th International Eclogite Conference on Eclogite and Related High and Ultrahigh Pressure Metamorphic Rocks*
Song, S. G., Yang, J. S., Liou, J. G., Wu, C. L., Shi, R. D., Xu, Z. Q.
ELSEVIER SCIENCE BV.2003: 195-211
- **Clinopyroxenite from the Sulu ultrahigh-pressure terrane, eastern China: Origin and evolution of garnet exsolution in clinopyroxene** *AMERICAN MINERALOGIST*
Zhang, R. Y., Liou, J. G.
2003; 88 (10): 1591-1600

- **Ultrarapid exhumation of ultrahigh-pressure diamond-bearing metasedimentary rocks of the Kokchetav Massif, Kazakhstan?** *6th International Eclogite Conference on Eclogite and Related High and Ultrahigh Pressure Metamorphic Rocks*
Hacker, B. R., Calvert, A., Zhang, R. Y., Ernst, W. G., Liou, J. G.
ELSEVIER SCIENCE BV.2003: 61–75
- **Transition of UHP eclogites to gneissic rocks of low-amphibolite facies during exhumation: evidence from the Dabie terrane, central China** *6th International Eclogite Conference on Eclogite and Related High and Ultrahigh Pressure Metamorphic Rocks*
Zhang, R. Y., Liou, J. G., Zheng, Y. F., Fu, B.
ELSEVIER SCIENCE BV.2003: 269–91
- **Metamorphic evolution of the coesite-bearing ultrahigh-pressure terrane in the North Qaidam, Northern Tibet, NW China** *4th International Eclogite Conference*
Song, S. G., Yang, J. S., Xu, Z. Q., Liou, J. G., Shi, R. D.
WILEY-BLACKWELL PUBLISHING, INC.2003: 631–44
- **Dating of zircon from Ti-clinohumite-bearing garnet peridotite: Implication for timing of mantle metasomatism** *GEOLOGY*
Katayama, I., Muko, A., Iizuka, T., Maruyama, S., Terada, K., Tsutsumi, Y., Sano, Y., Zhang, R. Y., Liou, J. G.
2003; 31 (8): 713-716
- **SHRIMP U-Pb dating of coesite-bearing zircon from the ultrahigh-pressure metamorphic rocks, Sulu terrane, east China** *4th International Eclogite Conference*
Yang, J. S., Wooden, J. L., Wu, C. L., Liu, F. L., Xu, Z. Q., Shi, R. D., Katayama, I., Liou, J. G., Maruyama, S.
WILEY-BLACKWELL PUBLISHING, INC.2003: 551–60
- **Petrochemical and tectonic processes of UHP/HP terranes II: Preface** *JOURNAL OF METAMORPHIC GEOLOGY*
Liou, J. G., Ernst, W. G., Ogasawara, Y.
2003; 21 (6): 513-514
- **Ultrahigh-pressure metamorphism in the forbidden zone: the Xugou garnet peridotite, Sulu terrane, eastern China** *4th International Eclogite Conference*
Zhang, R. Y., Liou, J. G., Yang, J. S., Ye, K.
WILEY-BLACKWELL PUBLISHING, INC.2003: 539–50
- **Mineralogy and metamorphic evolution of eclogites in the Dulan ultrahigh-P metamorphic terrane and tectonic implications, North Qaidam, NW China** *Journal of Metamorphic Geology*
Song, S. G., Yang, J. S., Shi, R. D., Wu, C. L., Liou, J. G., Xu, Z. Q.
2003
- **Continental crust subduction and UHP metamorphism** *In The Crust Vol 3 Treatise on Geochemistry*
Rumble, D., Liou, J. G., Jahn, B. M.
edited by Rudnick, R. L., Holland, H. D., Turekian, K. K.
Elsevier, Oxford.2003: 293–319
- **Geochemistry and Isotope Tracer Study of UHPM rocks** *UHPM School*
Jahn, B. M., Rumble, D., Liou, J. G.
edited by Carswell, D. A., Compagnoni, R.
2003: 365–414
- **Petrochemical and tectonic processes of UHP/HP terranes I: Preface** *INTERNATIONAL GEOLOGY REVIEW*
Liou, J. G., Ernst, W. G., Ogasawara, Y.
2002; 44 (9): 765-769
- **Discovery of clinoenstatite in garnet pyroxenites from the Dabie-Sulu ultrahigh-pressure terrane, east-central China** *AMERICAN MINERALOGIST*
Zhang, R. Y., Shau, Y. H., Liou, J. G., Lo, C. H.
2002; 87 (7): 867-874
- **Low delta O-18 zircons, U-Pb dating, and the age of the Qinglongshan oxygen and hydrogen isotope anomaly near Donghai in Jiangsu Province, China** *GEOCHIMICA ET COSMOCHIMICA ACTA*
Rumble, D., Giorgis, D., Ireland, T., Zhang, Z. M., Xu, H. F., Yui, T. F., Yang, J. S., Xu, Z. Q., Liou, J. G.
2002; 66 (12): 2299-2306

- **Ultra-high-pressure mineral inclusions in zircons from gneissic core samples of the Chinese Continental Scientific Drilling Site in eastern China** *EUROPEAN JOURNAL OF MINERALOGY*
Liu, F. L., Xu, Z. Q., Liou, J. G., Katayama, I., Masago, H., Maruyama, S., Yang, J. S.
2002; 14 (3): 499-512
- **Hydroxyl-rich topaz in high-pressure and ultrahigh-pressure kyanite quartzites, with retrograde woodhouseite, from the Sulu terrane, eastern China** *AMERICAN MINERALOGIST*
Zhang, R. Y., Liou, J. G., Shu, J. F.
2002; 87 (4): 445-453
- **Relationship between granite and eclogite on the southern margin of the Qilian Mountains: Evidence from zircon SHRIMP ages of the Aolaoshan granite** *ACTA GEOLOGICA SINICA-ENGLISH EDITION*
Wu, C. L., Wooden, J., Yang, J. S., Lik, H. B., Ireland, T., Liou, J. G., Wan, Y. S., Shi, R. D.
2002; 76 (1): 118-125
- **Zircon SHRIMP dating of granite from Qaidamshan, NW China** *CHINESE SCIENCE BULLETIN*
Wu, C. L., Yang, J. S., Wooden, J., Liou, J. G., Li, H. B., Shi, R. D., Meng, F. C., Persing, H., Meibom, A.
2002; 47 (5): 418-422
- **Geological and chronological evidence of Indo-Chinese strike-slip movement in the Altyn Tagh fault zone** *CHINESE SCIENCE BULLETIN*
Li, H. B., Yang, J. S., Xu, Z. Q., Wu, C. L., Wan, Y. S., Shi, R. D., Liou, J. G., TAPPONNIER, P., Ireland, T. R.
2002; 47 (1): 27-32
- **The diamond-bearing Kokchetav Massif, Kazakhstan: Petrochemistry and tectonic evolution of an unique ultrahigh-pressure metamorphic terrane**
Parkinson, C. D., Katayama, I., Liou, J. G., Maruyama, S.
Universal Academy Press, Inc. Tokyo, Japan , 527pp.2002
- **Ultrahigh-pressure metamorphic rocks** *Encyclopedia of Physical Science and Technology, 3rd Edition*
Liou, J. G., Zhang, R. Y.
Academic Press.2002
- **Petrotectonic characterization of the Kokchetav Massif and the Dabie-Sulu terranes - ultrahigh-P metamorphism in the so-called P-T forbidden-zone** *Western Pacific Earth Sciences*
Liou, J. G., Zhang, R. Y., Katayama, I., Maruyama, S., Ernst, W. G.
2002; 2
- **Mineral inclusions in zircons of para- and orthogneiss from pre-pilot drillhole CCSD-PP1, Chinese Continental Scientific Drilling Project** *LITHOS*
Liu, F. K., Xua, Z. Q., Katayama, I., Yang, J. S., Maruyama, S., Liou, J. G.
2001; 59 (4): 199-215
- **Seafloor hydrothermal alteration at an Archaean mid-ocean ridge** *JOURNAL OF METAMORPHIC GEOLOGY*
Kitajima, K., Maruyama, S., Utsunomiya, S., Liou, J. G.
2001; 19 (5): 581-597
- **Mineral inclusions of zircon and UHP metamorphic evidence from paragneiss and orthogneiss of pre-pilot drillhole CCSD-PP2 in north Jiangsu Province, China** *CHINESE SCIENCE BULLETIN*
Liu, F. L., Xu, Z. Q., Yang, J. S., Maruyama, S., Liou, J. G., Katayama, I., Masago, H.
2001; 46 (12): 1037-1042
- **Tectonic correlation of Beishan and Inner Mongolia orogens and its implications for the palinspastic reconstruction of north China** *Paleozoic and Mesozoic tectonic evolution of central and eastern Asia-from continental assembly to intracontinental deformation*
Yue, Y., Liou, J. G., Graham, S. A.
edited by Hendrix, M. S., Davis, G. A.
Geological Society of America.2001: 101-116
- **Distinguishable signatures of UHP and non-UHP granitic gneisses in the Sulu terrane: evidence from mineral inclusions in zircons** *Geological Review*
Liu, F., Xu, Z., Yang, J., Zhang, Z. M., Maruyama, S., Liou, J. G., Katayama, I., Masago, H.
2001; 47
- **Tectonic significance of Caledonian high-pressure rocks in the Qilian - Qaidam - Altun Mountains, NW China** *Paleozoic and Mesozoic*
Yang, J. S., Xu, Z. Q., Zhang, J. X., Chu, J. Y., Zhang, R. Y., Liou, J. G.

edited by Hendrix, M. S., Davis, G. A.
2001

- **Book Review, Beyond our feet: The rocks of planet Earth. By Ron Vernon** *Episodes*
Liou, J. G.
2001; 24: 282
- **Multi Age-time evolution of granite gneisses-granite in the southern Sulu HP-UHP metamorphic belt** *Acta Geologica Sinica (in Chinese)*
Xu, H. F., Yang, T. N., Liu, F. L., Liou, J. G.
2001; 75: 371-378
- **Evidence against subduction-related magmatism for the Jiaoziyuan Gabbro, northern Dabie Shan, China** *GEOLOGY*
Tsai, C. H., Lo, C. H., Liou, J. G., JAHN, B. M.
2000; 28 (10): 943-946
- **Petrotectonic characteristics of the Kokchetav Massif, northern Kazakhstan - Preface** *ISLAND ARC*
Liou, J. G., Banno, S.
2000; 9 (3): 259-263
- **Petrology of the diamond-grade eclogite in the Kokchetav Massif, northern Kazakhstan** *ISLAND ARC*
Okamoto, K., Liou, J. G., Ogasawara, Y.
2000; 9 (3): 379-399
- **Petrological and geochemical characteristics of ultrahigh-pressure metamorphic rocks from the Dabie-Sulu terrane, east-central China** *INTERNATIONAL GEOLOGY REVIEW*
Liou, J. G., Zhang, R. Y., JAHN, B. M.
2000; 42 (4): 328-352
- **High-pressure blueschists and eclogites in Hong'an: a framework for addressing the evolution of high- and ultrahigh-pressure rocks in central China** *International Workshop on UHP Metamorphism and Exhumation*
Eide, E. A., Liou, J. G.
ELSEVIER SCIENCE BV.2000: 1-22
- **Petrochemical constraints for dual origin of garnet peridotites from the Dabie-Sulu UHP terrane, eastern-central China** *AGU Special Session on UHP Metamorphism and Geodynamics in Collision-Type Orogenic Belts*
Zhang, R. Y., Liou, J. G., Yang, J. S., Yui, T. F.
WILEY-BLACKWELL PUBLISHING, INC.2000: 149-66
- **Preface - Garnet peridotites and ultrahigh-pressure minerals** *JOURNAL OF METAMORPHIC GEOLOGY*
Liou, J. G., Carswell, D. A.
2000; 18 (2): 121-121
- **Geophysics - Into the forbidden zone** *SCIENCE*
Liou, J. G., Hacker, B. R., Zhang, R. Y.
2000; 287 (5456): 1215-1216
- **Eclogite-facies relics and inferred ultrahigh-pressure metamorphism in the North Dabie Complex, central-eastern China** *AMERICAN MINERALOGIST*
Tsai, C. H., Liou, J. G.
2000; 85 (1): 1-8
- **Glaucophane** *Encyclopedia of Science and Technology*
Liou, J. G., Zhang, R. Y., Marayuma, S.
McGraw-Hill.2000
- **Ophiolite** *Encyclopedia of Science and Technology*
Liou, J. G., Marayuma, S., Ogasawara, Y.
McGraw-Hill.2000
- **The Second world** *Chinese Geologist Conference, Episodes, 24*
Liou, J. G., Chou, I., Yin, A.
2000: 273-274

- **Petrological characterization and tectonic significance of the Rabazhai retrogressed garnet peridotites from the North Dabie Complex, central-eastern China** *Journal of Metamorphic Geology*
Tsai, C. H., Liou, J. G., Ernst, W. G.
2000; 18: 181-192
- **Exsolution lamellae in minerals from ultrahigh-pressure rocks** *INTERNATIONAL GEOLOGY REVIEW*
Zhang, R. Y., Liou, J. G.
1999; 41 (11): 981-993
- **Petrotectonic summary of less intensively studied UHP regions** *INTERNATIONAL GEOLOGY REVIEW*
Liou, J. G.
1999; 41 (7): 571-586
- **Overview of UHP metamorphism and tectonics in well-studied collisional orogens** *INTERNATIONAL GEOLOGY REVIEW*
Ernst, W. G., Liou, J. G.
1999; 41 (6): 477-493
- **Magnetite lamellae in olivine and clinohumite from Dabie UHP ultramafic rocks, central China** *AMERICAN MINERALOGIST*
Zhang, R. Y., Shu, J. F., Mao, H. K., Liou, J. G.
1999; 84 (4): 564-569
- **Two-stage evolution model for the Altyn Tagh fault, China** *GEOLOGY*
Yue, Y. J., Liou, J. G.
1999; 27 (3): 227-230
- **Dual origin of garnet peridotites of Dabie-Sulu UHP terrane, eastern-central China** *EPISODES*
Zhang, R. Y., Liou, J. G.
1998; 21 (4): 229-234
- **Low delta O-18, ultrahigh-P garnet-bearing mafic and ultramafic rocks from Dabie Shan, China** *CHEMICAL GEOLOGY*
Zhang, R. Y., Rumble, D., Liou, J. G., Wang, Q. C.
1998; 150 (1-2): 161-170
- **A petrogenetic grid for eclogite and related facies under high-pressure metamorphism** *ISLAND ARC*
Oh, C. W., Liou, J. G.
1998; 7 (1-2): 36-51
- **Petrogenesis of dolomitic marbles from Rongcheng in the Su-Lu ultrahigh-pressure metamorphic terrane, eastern China** *ISLAND ARC*
Ogasawara, Y., Zhang, R. Y., Liou, J. G.
1998; 7 (1-2): 82-97
- **Introduction to geodynamics for high- and ultrahigh-pressure metamorphism** *ISLAND ARC*
Liou, J. G., Maruyama, S., Cong, B.
1998; 7 (1-2): 1-5
- **Initiation of ultrahigh-pressure metamorphism and its significance on the Proterozoic-Phanerozoic boundary** *ISLAND ARC*
Maruyama, S., Liou, J. G.
1998; 7 (1-2): 6-35
- **Ultrahigh-pressure metamorphism and decompressional P-T paths of eclogites and country rocks from Weihai, eastern China: Reply** *ISLAND ARC*
Zhang, R. Y., Liou, J. G., Ernst, W. G.
1998; 7 (1-2): 250-252
- **Petrogenesis of an ultrahigh-pressure garnet-bearing ultramafic body from Maowu, Dabie mountains, east-central China** *ISLAND ARC*
Liou, J. G., Zhang, R. Y.
1998; 7 (1-2): 115-134
- **Petrogenesis of impure dolomitic marble from the Dabie mountains, central China** *ISLAND ARC*
Omori, S., Liou, J. G., Zhang, R. Y., Ogasawara, Y.
1998; 7 (1-2): 98-114

- **Mineral parageneses in the Piampaludo eclogitic body, Gruppo di Voltri, Western Ligurian Alps** *5th International Eclogite Conference 1997 (FIEC)*
Liou, J. G., Zhang, R. Y., Ernst, W. G., Liu, J., McLimans, R.
STAUBLI VERLAG AG.1998: 317–35
- **ircon, an excellent micro-container to record the UHP metamorphism** *When Continents Collide: Geodynamics and Geochemistry of Ultrahigh-Pressure Rocks*
Tabata, H., Yaamauchi, K., Maruyama, S., Liou, J. G.
edited by Hacker, B. R., Liou, J. G.
1998
- **SHRIMP U-Pb geochronology of ultrahigh-pressure metamorphic rocks of the Dabie Mountains, central China** *Continental Dynamics*
Maruyama, S., Tabata, H., Nutman, A. P., Morikawa, T., Liou, J. G.
1998; 3: 72-85
- **Ultrahigh-pressure metamorphism of the Sulu terrane** *Continental Dynamics*
Zhang, R. Y., Liou, J. G.
1998; 3: 32-53
- **When Continents Collide: Geodynamics and Geochemistry of Ultrahigh-Pressure Rocks**
Hacker, B. R., Liou, J. G.
Kluwer Academic, 323 pp..1998
- **High-pressure minerals from deeply subducted metamorphic rocks** *Short Course on Ultrahigh-Pressure Mineralogy - Physics and Chemistry of the Earths Deep Interior*
Liou, J. G., Zhang, R. Y., Ernst, W. G., Rumble, D., Maruyama, S.
MINERALOGICAL SOC AMER.1998: 33–96
- **Interlayered eclogites, blueschists and epidote amphibolites from NE Oman: a record of protolith compositional control and limited fluid infiltration** *JOURNAL OF PETROLOGY*
ELSHAZLY, A. K., Worthing, M. A., Liou, J. G.
1997; 38 (11): 1461-1487
- **Determining the origin of ultrahigh-pressure lherzolites** *SCIENCE*
Hacker, B. R., Sharp, T., Zhang, R. Y., Liou, J. G., Hervig, R. L.
1997; 278 (5338): 702-704
- **Petrology, geochemistry and isotope data on a ultrahigh-pressure jadeite quartzite from Shuanghe, Dabie mountains, east-central China** *Symposium on High Pressure Metamorphism in Nature and Experiment*
Liou, J. G., Zhang, R. Y., Jahn, B.
ELSEVIER SCIENCE BV.1997: 59–78
- **Metamorphic evolution of diamond-bearing and associated rocks from the Kokchetav Massif, northern Kazakhstan** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Liou, J. G., Ernst, W. G., Coleman, R. G., Sobolev, N. V., Shatsky, V. S.
1997; 15 (4): 479-496
- **Tectonics - Seeing a mountain in a grain of garnet** *SCIENCE*
Liou, J. G., Maruyama, S., Ernst, W. G.
1997; 276 (5309): 48-49
- **Partial transformation of gabbro to coesite-bearing eclogite from Yangkou, the Sulu terrane, eastern China** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Liou, J. G.
1997; 15 (2): 183-202
- **Thermochemical calculation of log f(O₂)-TP stability relations of diamond-bearing assemblages in the model system CaO-MgO-SiO₂-C-O-2-H₂O** *GEOLOGIYA I GEOFIZIKA*
Ogasawara, Y., Liou, J. G., Zhang, R. Y.
1997; 38 (2): 546-557
- **Occurrences of intergranular coesite in ultrahigh-P rocks from the Sulu region, eastern China: Implications for lack of fluid during exhumation** *AMERICAN MINERALOGIST*
Liou, J. G., Zhang, R. Y.

1996; 81 (9-10): 1217-1221

- **Thermobaric structure of the Franciscan complex in the Pacheco Pass region, Diablo Range, California** *JOURNAL OF GEOLOGY*
Terabayashi, M., Maruyama, S., Liou, J. G.
1996; 104 (5): 617-636
- **Petrogenesis of a high-temperature metamorphic terrane: A new tectonic interpretation for the north Dabieshan, central China** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Liou, J. G., Tsai, C. H.
1996; 14 (3): 319-333
- **Coesite inclusions in dolomite from eclogite in the southern Dabie Mountains, China: The significance of carbonate minerals in UHPM rocks** *AMERICAN MINERALOGIST*
Zhang, R. Y., Liou, J. G.
1996; 81 (1-2): 181-186
- **PETROLOGY OF ULTRAHIGH-PRESSURE ROCKS FROM THE SOUTHERN SU-LU REGION, EASTERN CHINA** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Hirajima, T., Banno, S., Cong, B., Liou, J. G.
1995; 13 (6): 659-675
- **TALC-BEARING, MAGNESITE-BEARING AND TI-CLINOHUMITE-BEARING ULTRAHIGH-PRESSURE META-MAFIC AND ULTRAMAFIC COMPLEX IN THE DABIE MOUNTAINS, CHINA** *JOURNAL OF PETROLOGY*
Zhang, R. Y., Liou, J. G., Cong, B. L.
1995; 36 (4): 1011-1037
- **CONTRASTING PLATE-TECTONIC STYLES OF THE QINLING-DABIE-SULU AND FRANCISCAN METAMORPHIC BELTS** *GEOLOGY*
Ernst, W. G., Liou, J. G.
1995; 23 (4): 353-356
- **SIGNIFICANCE OF ULTRAHIGH-P TALC-BEARING ECLOGITIC ASSEMBLAGES** *MINERALOGICAL MAGAZINE*
Liou, J. G., Zhang, R. Y.
1995; 59 (394): 93-102
- **AR-40 AR-39 GEOCHRONOLOGY AND EXHUMATION OF HIGH-PRESSURE TO ULTRAHIGH-PRESSURE METAMORPHIC ROCKS IN EAST-CENTRAL CHINA** *GEOLOGY*
Eide, E. A., McWilliams, M. O., Liou, J. G.
1994; 22 (7): 601-604
- **PETROGENESIS OF GARNET-BEARING ULTRAMAFIC ROCKS AND ASSOCIATED ECLOGITES IN THE SU-LU ULTRAHIGH-P METAMORPHIC TERRANE, EASTERN CHINA** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Liou, J. G., Cong, B. L.
1994; 12 (2): 169-186
- **COESITE-BEARING ECLOGITE IN HENAN PROVINCE, CENTRAL CHINA - DETAILED PETROGRAPHY, GLAUCOPHANE STABILITY AND P-T-PATH** *EUROPEAN JOURNAL OF MINERALOGY*
Zhang, R. Y., Liou, J. G.
1994; 6 (2): 217-233
- **POLYPHASE AND ANTICLOCKWISE P-T EVOLUTION FOR FRANCISCAN ECLOGITES AND BLUESCHISTS FROM JENNER, CALIFORNIA, USA** *JOURNAL OF METAMORPHIC GEOLOGY*
KROGH, E. J., Oh, C. W., Liou, J. G.
1994; 12 (2): 121-134
- **METAMORPHISM AND TECTONIC EVOLUTION OF THE LANCANG PAIRED METAMORPHIC BELTS, SOUTH-WESTERN CHINA** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhang, R. Y., Cong, B. L., Maruyama, S., Liou, J. G.
1993; 11 (4): 605-619
- **ULTRA-HIGH-PRESSURE METAMORPHISM OF CARBONATE ROCKS IN THE DABIE MOUNTAINS, CENTRAL CHINA** *JOURNAL OF METAMORPHIC GEOLOGY*
Wang, X. M., Liou, J. G.

- 1993; 11 (4): 575-588
- **METAMORPHISM AND TECTONICS OF CHINA** *JOURNAL OF METAMORPHIC GEOLOGY*
Day, H. W., Liou, J. G., Lu, L. Z.
1993; 11 (4): 461-464
 - **HIGH-PRESSURE LOW-TEMPERATURE METAMORPHISM IN NORTHERN HUBEI PROVINCE, CENTRAL CHINA** *JOURNAL OF METAMORPHIC GEOLOGY*
Zhou, G., Liu, Y. J., Eide, E. A., Liou, J. G., Ernst, W. G.
1993; 11 (4): 561-574
 - **AL-Fe³⁺ AND F-OH SUBSTITUTIONS IN TITANITE AND CONSTRAINTS ON THEIR P-T DEPENDENCE** *EUROPEAN JOURNAL OF MINERALOGY*
Enami, M., Suzuki, K., Liou, J. G., Bird, D. K.
1993; 5 (2): 219-231
 - **CI-BEARING AMPHIBOLE IN THE SALTON-SEA GEOTHERMAL SYSTEM, CALIFORNIA** *CANADIAN MINERALOGIST*
Enami, M., Liou, J. G., Bird, D. K.
1992; 30: 1077-1092
 - **COESITE-BEARING ECLOGITES FROM THE DABIE MOUNTAINS, CENTRAL CHINA - PETROGENESIS, P-T PATHS, AND IMPLICATIONS FOR REGIONAL TECTONICS** *JOURNAL OF GEOLOGY*
Wang, X. M., Liou, J. G., Maruyama, S.
1992; 100 (2): 231-251
 - **EXPERIMENTAL INVESTIGATION OF MASS-TRANSFER ALBITE, CAAL-SILICATES, AND AQUEOUS-SOLUTIONS** *AMERICAN JOURNAL OF SCIENCE*
ROSE, N. M., Bird, D. K., Liou, J. G.
1992; 292 (1): 21-57
 - **REGIONAL ULTRAHIGH-PRESSURE COESITE-BEARING ECLOGITIC TERRANE IN CENTRAL CHINA - EVIDENCE FROM COUNTRY ROCKS, GNEISS, MARBLE, AND METAPELITE** *GEOLOGY*
Wang, X. M., Liou, J. G.
1991; 19 (9): 933-936
 - **A NEW PETROGENETIC GRID FOR LOW-GRADE METABASITES** *JOURNAL OF METAMORPHIC GEOLOGY*
Frey, M., DeCapitani, C., Liou, J. G.
1991; 9 (4): 497-509
 - **LOW-TEMPERATURE ECLOGITES AND ECLOGITIC SCHISTS IN MN-RICH METABASITES IN WARD CREEK, CALIFORNIA - MN AND FE EFFECTS ON THE TRANSITION BETWEEN BLUESCHIST AND ECLOGITE** *JOURNAL OF PETROLOGY*
Oh, C. W., Liou, J. G., Maruyama, S.
1991; 32 (2): 275-302
 - **GLAUCOPHANE CHLORITOID-BEARING ASSEMBLAGES FROM NE OMAN - PETROLOGIC SIGNIFICANCE AND A PETROGENETIC GRID FOR HIGH-P METAPELITES** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
ELSHAZLY, A. K., Liou, J. G.
1991; 107 (2): 180-201
 - **METAMORPHIC EVOLUTION OF 2 DIFFERENT ECLOGITES IN THE FRANCISCAN COMPLEX, CALIFORNIA, USA** *LITHOS*
Oh, C. W., Liou, J. G.
1990; 25 (1-3): 41-53
 - **FIELD OCCURRENCES AND PETROLOGY OF ECLOGITES FROM THE DABIE MOUNTAINS, ANHUI, CENTRAL CHINA** *LITHOS*
Wang, X., Jing, Y., Liou, J. G., Pan, G., Liang, W., Xia, M., Maruyama, S.
1990; 25 (1-3): 119-131
 - **PRECAMBRIAN BLUESCHIST TERRANES OF THE WORLD** *SYMP ON TECTONICS OF EASTERN ASIA AND WESTERN PACIFIC CONTINENTAL MARGIN*
Liou, J. G., Maruyama, S., Wang, X., Graham, S.
ELSEVIER SCIENCE BV.1990: 97-111

- **EVIDENCE FOR LATE PROTEROZOIC SUBDUCTION FROM 700-MYR-OLD BLUESCHISTS IN CHINA** *NATURE*
Nakajima, T., Maruyama, S., Uchiumi, S., Liou, J. G., Wang, X., Xiao, X., Graham, S. A.
1990; 346 (6281): 263-265
- **ECLOGITES AND BLUESCHISTS FROM NORTHEASTERN OMAN - PETROLOGY AND P-T EVOLUTION** *JOURNAL OF PETROLOGY*
ELSHAZLY, A. E., Coleman, R. G., Liou, J. G.
1990; 31 (3): 629-666
- **THERMOCHEMICAL DATA FOR MERLINOITE .2. FREE-ENERGIES OF FORMATION AT 298.15-K OF 6 SYNTHETIC SAMPLES HAVING VARIOUS SI/AL AND NA/(NA + K) RATIOS AND APPLICATION TO SALINE, ALKALINE LAKES** *AMERICAN MINERALOGIST*
Donahoe, R. J., Liou, J. G., Hemingway, B. S.
1990; 75 (1-2): 201-208
- **THERMOCHEMICAL DATA FOR MERLINOITE .1. LOW-TEMPERATURE HEAT-CAPACITIES, ENTROPIES, AND ENTHALPIES OF FORMATION AT 298.15-K OF 6 SYNTHETIC SAMPLES HAVING VARIOUS SI/AL AND NA/(NA + K) RATIOS** *AMERICAN MINERALOGIST*
Donahoe, R. J., Hemingway, B. S., Liou, J. G.
1990; 75 (1-2): 188-200
- **PROTEROZOIC BLUESCHIST BELT IN WESTERN CHINA - BEST DOCUMENTED PRECAMBRIAN BLUESCHISTS IN THE WORLD** *GEOLOGY*
Liou, J. G., Graham, S. A., Maruyama, S., Wang, X., Xiao, X., Carroll, A. R., Chu, J., Feng, Y., Hendrix, M. S., Liang, Y. H., McKnight, C. L., Tang, Y., Wang, et al
1989; 17 (12): 1127-1131
- **COESITE-BEARING ECLOGITE FROM THE DABIE MOUNTAINS IN CENTRAL CHINA** *GEOLOGY*
Wang, X. M., Liou, J. G., Mao, H. K.
1989; 17 (12): 1085-1088
- **BLUESCHISTS IN MAJOR SUTURE ZONES OF CHINA** *TECTONICS*
Liou, J. G., Wang, X. M., Coleman, R. G., Zhang, Z. M., Maruyama, S.
1989; 8 (3): 609-619
- **POSSIBLE DEPTH LIMIT FOR UNDERPLATING BY A SEAMOUNT** *TECTONOPHYSICS*
Maruyama, S., Liou, J. G.
1989; 160 (1-4): 327-337
- **PROGRADE PHASE-RELATIONS IN THE STATE 2-14 WELL METASANDSTONES, SALTON-SEA GEOTHERMAL-FIELD, CALIFORNIA** *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH AND PLANETS*
Cho, M., Liou, J. G., Bird, D. K.
1988; 93 (B11): 13081-13103
- **EPIDOTE-BEARING VEINS IN THE STATE 2-14 DRILL HOLE - IMPLICATIONS FOR HYDROTHERMAL FLUID COMPOSITION** *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH AND PLANETS*
Caruso, L. J., Bird, D. K., Cho, M., Liou, J. G.
1988; 93 (B11): 13123-13133
- **COMPOSITIONAL, ORDER-DISORDER, AND STABLE ISOTOPE CHARACTERISTICS OF AL-FE EPIDOTE, STATE 2-14 DRILL HOLE, SALTON-SEA GEOTHERMAL SYSTEM** *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH AND PLANETS*
Bird, D. K., Cho, M., Janik, C. J., Liou, J. G., Caruso, L. J.
1988; 93 (B11): 13135-13144
- **PETROLOGY OF FRANCISCAN METABASITES ALONG THE JADEITE GLAUCOPHANE TYPE FACIES SERIES, CAZADERO, CALIFORNIA** *JOURNAL OF PETROLOGY*
Maruyama, S., Liou, J. G.
1988; 29 (1): 1-37
- **STABILITY RELATIONS OF MN-FE-AL PIEMONTITE** *JOURNAL OF METAMORPHIC GEOLOGY*
Keskinen, M., Liou, J. G.
1987; 5 (4): 495-507

- **CLINOPYROXENE - A MINERAL TELESCOPED THROUGH THE PROCESSES OF BLUESCHIST FACIES METAMORPHISM** *JOURNAL OF METAMORPHIC GEOLOGY*
Maruyama, S., Liou, J. G.
1987; 5 (4): 529-552
- **PARAGENESES AND COMPOSITIONS OF AMPHIBOLES FROM FRANCISCAN JADEITE GLAUCOPHANE TYPE FACIES SERIES METABASITES AT CAZADERO, CALIFORNIA** *JOURNAL OF METAMORPHIC GEOLOGY*
Liou, J. G., Maruyama, S.
1987; 5 (3): 371-395
- **PREHNITE PUMPELLYITE TO GREENSCHIST FACIES TRANSITION IN THE KARLUTSEN METABASITES, VANCOUVER ISLAND, BC** *JOURNAL OF PETROLOGY*
Cho, M., Liou, J. G.
1987; 28 (3): 417-443
- **AN EXPERIMENTAL INVESTIGATION OF HEULANDITE-LAUMONTITE EQUILIBRIUM AT 1000-BAR-PFLUID TO 2000-BAR-PFLUID** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Cho, M., Maruyama, S., Liou, J. G.
1987; 97 (1): 43-50
- **TRANSITION FROM THE ZEOLITE TO PREHNITE PUMPELLYITE FACIES IN THE KARLUTSEN METABASITES, VANCOUVER ISLAND, BRITISH-COLUMBIA** *JOURNAL OF PETROLOGY*
Cho, M., Liou, J. G., Maruyama, S.
1986; 27 (2): 467-494
- **COMPOSITIONS AND PARAGENESES OF SECONDARY MINERALS IN THE ONIKOBE GEOTHERMAL SYSTEM, JAPAN** *CHEMICAL GEOLOGY*
Liou, J. G., Seki, Y., Guillemette, R. N., Sakai, H.
1985; 49 (1-3): 1-20
- **AN EXPERIMENTAL-STUDY ON THE PROCESS OF ZEOLITE FORMATION** *GEOCHIMICA ET COSMOCHIMICA ACTA*
Donahoe, R. J., Liou, J. G.
1985; 49 (11): 2349-2360
- **PHASE-EQUILIBRIA AND MINERAL PARAGENESES OF METABASITES IN LOW-GRADE METAMORPHISM** *MINERALOGICAL MAGAZINE*
Liou, J. G., Maruyama, S., Cho, M.
1985; 49 (352): 321-333
- **A SYSTEM FOR FLOW THROUGH EXPERIMENTAL STUDIES AT HYDROTHERMAL CONDITIONS** *NEUES JAHRBUCH FUR MINERALOGIE-MONATSHEFTE*
Potter, J. M., POHL, D. C., Guillemette, R. N., PONADER, H. B., Liou, J. G.
1985: 329-335
- **LOW-TEMPERATURE RECRYSTALLIZATION OF FRANCISCAN GREYWACKES FROM PACHECO-PASS, CALIFORNIA** *MINERALOGICAL MAGAZINE*
Maruyama, S., Liou, J. G., Sasakura, Y.
1985; 49 (352): 345-355
- **THE STABILITY OF CA-NA PYROXENE IN LOW-GRADE METABASITES OF HIGH-PRESSURE INTERMEDIATE FACIES SERIES** *AMERICAN MINERALOGIST*
Maruyama, S., Liou, J. G.
1985; 70 (1-2): 16-29
- **AN OUTLINE OF THE PLATE-TECTONICS OF CHINA** *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*
Zhang, Z. M., Liou, J. G., Coleman, R. G.
1984; 95 (3): 295-312
- **SYNTHESIS AND CHARACTERIZATION OF ZEOLITES IN THE SYSTEM NA₂O-K₂O-AL₂O₃-SiO₂-H₂O** *CLAYS AND CLAY MINERALS*
Donahoe, R. J., Liou, J. G., GULDMAN, S.
1984; 32 (6): 433-443

- **EXPERIMENTAL-STUDY OF BASALT GLASS NA-CARBONATES (+/-NACL) SOLUTIONS REACTION AT 300-DEGREES-C AND 500 BARS - FORMATION OF ALTERED MINERALS AND SOLUTION CHEMISTRY** *SCIENTIA SINICA SERIES B-CHEMICAL BIOLOGICAL AGRICULTURAL MEDICAL & EARTH SCIENCES*
Zeng, Y. H., Liou, J. G.
1984; 27 (4): 420-435
- **GREENSCHIST-AMPHIBOLITE TRANSITION EQUILIBRIA AT LOW-PRESSURES** *JOURNAL OF PETROLOGY*
Maruyama, S., Suzuki, K., Liou, J. G.
1983; 24 (4): 583-604
- **PREHNITE - EPIDOTE EQUILIBRIA AND THEIR PETROLOGIC APPLICATIONS** *JOURNAL OF PETROLOGY*
Liou, J. G., Kim, H. S., Maruyama, S.
1983; 24 (4): 321-342
- **SYNTHESIS OF FE-PUMPELLYITE AND ITS STABILITY RELATIONS WITH EPIDOTE** *JOURNAL OF METAMORPHIC GEOLOGY*
Schiffman, P., Liou, J. G.
1983; 1 (2): 91-101
- **CRYSTALLIZATION OF COARSE-GRAINED PREHNITE AND PUMPELLYITE IN HYDROTHERMAL EXPERIMENTS AND ITS PETROLOGIC IMPLICATIONS** *NEUES JAHRBUCH FUR MINERALOGIE-ABHANDLUNGEN*
Schiffman, P., Liou, J. G.
1983; 146 (3): 242-257
- **SYNTHESIS AND STABILITY RELATIONS OF MAGNESIUM IDOCRASE** *ECONOMIC GEOLOGY*
Hochella, M. F., Liou, J. G., Keskinen, M. J., Kim, H. S.
1982; 77 (4): 798-808
- **THE PERISTERITE GAP IN LOW-GRADE METAMORPHIC ROCKS** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Maruyama, S., Liou, J. G., Suzuki, K.
1982; 81 (4): 268-276
- **SYNTHESIS OF CHAMBERSITE AND ITS GEOLOGICAL IMPLICATIONS** *NEUES JAHRBUCH FUR MINERALOGIE-MONATSHEFTE*
Zeng, Y., Liou, J. G.
1982: 69-83
- **EXPERIMENTAL INVESTIGATION OF YUGAWARALITE-WAIRAKITE EQUILIBRIUM** *AMERICAN MINERALOGIST*
Zeng, Y., Liou, J. G.
1982; 67 (9-10): 937-943
- **PALEO GEOGRAPHIC ORIGINS OF THE MIOCENE EAST TAIWAN OPHIOLITE** *AMERICAN JOURNAL OF SCIENCE*
Suppe, J., Liou, J. G., Ernst, W. G.
1981; 281 (3): 228-246
- **CHEMICAL MODIFICATIONS ACCOMPANYING BLUESCHIST FACIES METAMORPHISM OF FRANCISCAN CONGLOMERATES, DIABLO RANGE, CALIFORNIA** *CHEMICAL GEOLOGY*
Moore, D. E., Liou, J. G., King, B. S.
1981; 33 (3-4): 237-263
- **DETRITAL GLAUCOPHANE SCHIST PEBBLES FROM FRANCISCAN METACONGLOMERATES OF THE NORTHEAST DIABLO RANGE, CALIFORNIA** *AMERICAN JOURNAL OF SCIENCE*
Moore, D. E., Liou, J. G.
1980; 280 (3): 249-264
- **SYNTHESIS AND STABILITY RELATIONS OF MG-AL PUMPELLYITE, CA₄AL₅MGSi₆O₂₁(OH)₇** *JOURNAL OF PETROLOGY*
Schiffman, P., Liou, J. G.
1980; 21 (3): 441-474
- **OCEANIC RIDGE METAMORPHISM OF THE EAST TAIWAN OPHIOLITE** *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY*
Liou, J. G., Ernst, W. G.
1979; 68 (3): 335-348

- **TECTONIC OUTLIER OF GREAT VALLEY SEQUENCE IN FRANCISCAN TERRAIN, DIABLO RANGE, CALIFORNIA** *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*
Bauder, J. M., Liou, J. G.
1979; 90 (6): 561-568
- **ZEOLITE FACIES METAMORPHISM OF BASALTIC ROCKS FROM THE EAST TAIWAN OPHIOLITE** *AMERICAN MINERALOGIST*
Liou, J. G.
1979; 64 (1-2): 1-14
- **SYNTHESIS AND STABILITY RELATIONS OF MN-AL PIEMONTE, $Ca_2MnAl_2Si_3O_{12}(OH)$** *AMERICAN MINERALOGIST*
Keskinen, M., Liou, J. G.
1979; 64 (3-4): 317-328
- **NARAGH METEORITE - NEW OLIVINE-BRONZITE CHONDRITE FALL** *METEORITICS*
ADIB, D., Liou, J. G.
1979; 14 (3): 257-272
- **CHESSBOARD-TWINNED ALBITE FROM FRANCISCAN METACONGLOMERATES OF THE DIABLO RANGE, CALIFORNIA** *AMERICAN MINERALOGIST*
Moore, D. E., Liou, J. G.
1979; 64 (3-4): 329-336
- **LOW-TEMPERATURE STABILITY OF ANDRADITE IN C-O-H FLUIDS** *AMERICAN MINERALOGIST*
Taylor, B. E., Liou, J. G.
1978; 63 (3-4): 378-393
- **CHEMISTRY AND ORIGIN OF CHLORITOID ROCKS FROM EASTERN TAIWAN** *LITHOS*
Liou, J. G., Chen, P. Y.
1978; 11 (3): 175-187
- **FRANCISCAN BLUESCHIST-FACIES METACONGLOMERATES, DIABLO RANGE, CALIFORNIA - DISCUSSION AND REPLY** *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*
BLOXAM, T. W., Platt, J. B., Liou, J. G., Page, B. M.
1977; 88 (3): 480-480
- **FRANCISCAN BLUESCHIST-FACIES METACONGLOMERATE, DIABLO RANGE, CALIFORNIA** *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*
Platt, J. B., Liou, J. G., Page, B. M.
1976; 87 (4): 581-591
- **BURIAL METAMORPHISM OF KARMUTSEN VOLCANIC-ROCKS, NORTHEASTERN VANCOUVER ISLAND, BRITISH-COLUMBIA** *AMERICAN JOURNAL OF SCIENCE*
Kuniyoshi, S., Liou, J. G.
1976; 276 (9): 1096-1119
- **CONTACT METAMORPHISM OF KARMUTSEN VOLCANICS, VANCOUVER-ISLAND, BRITISH-COLUMBIA** *JOURNAL OF PETROLOGY*
Kuniyoshi, S., Liou, J. G.
1976; 17 (1): 73-99
- **PETROLOGY OF SOME GLAUCOPHANE SCHISTS AND RELATED ROCKS FROM TAIWAN** *JOURNAL OF PETROLOGY*
Liou, J. G., Ho, C. O., YEN, T. P.
1975; 16 (1): 80-109
- **EXPERIMENTAL STUDIES OF PHASE RELATIONS BETWEEN GREENSCHIST AND AMPHIBOLITE IN A BASALTIC SYSTEM** *AMERICAN JOURNAL OF SCIENCE*
Liou, J. G., KUNIYOSH, S., Ito, K.
1974; 274 (6): 613-632
- **MINERALOGY AND CHEMISTRY OF GLASSY BASALTS, COASTAL RANGE OPHIOLITES TAIWAN** *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*
Liou, J. G.

1974; 85 (1): 1-10

● **STABILITY RELATIONS OF ANDRADITE-QUARTZ IN SYSTEM CA-FE-SI-O-H** *AMERICAN MINERALOGIST*

Liou, J. G.

1974; 59 (9-10): 1016-1025

● **SYNTHESIS AND STABILITY RELATIONS OF EPIDOTE, CA₂AL₂FESi₃O₁₂(OH)** *JOURNAL OF PETROLOGY*

Liou, J. G.

1973; 14 (3): 381-413