



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, "Ultrahigh-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 clinoenstatite 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 quartzfeldspathic 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 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
- **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
- **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
- **(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
- **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., Fukoyama, 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
 - **Glaucophane** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 8*
Liou, J. G., Corona, J. C., Tsujimori, T.,
2012: 150–151
 - **Calcite** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 3*
Hacker, R. J., Liou, J. G.
2012: 391–393
 - **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
 - **Ultrahigh-Pressure Metamorphism** *McGraw-Hill Encyclopedia of Science & Technology, vol 19*
Liou, J. G., Zhang, R. Y.
2012: 11–15
 - **Talc** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 18*
Liou, J. G.
2012: 166–167
 - **Ophiolite** *McGraw-Hill Encyclopedia of Science & Technology, 11th ed., vol. 12*
Liou, J. G., Maruyama, S., Tsujimori, T., Ogasawara, Y.
2012: 166–167

- **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
- **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
- **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
- **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
 - **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
 - **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
 - **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
 - **Geochemistry and zircon U-Pb dating and its implications of the Yukahe HP/UHP terrane, the North Qaidam, NW China** *8th International Eclogite Conference*
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