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Publications

PUBLICATIONS

- **Optimization of Laser-Wavelength Dependence for Open-Air Atmospheric Pressure Pulsed Laser Deposition of AlCrFeMnTi High-Entropy Alloy for Tailored Surface Properties** *ACS OMEGA*
Mahdavi, H., Asghari Alamdari, A., Kepceoglu, A., Yagci, M., Unal, U., Jahangiri, H.
2024; 9 (20): 22495-22505
- **Rapid and efficient ambient temperature X-ray crystal structure determination at Turkish Light Source** *SCIENTIFIC REPORTS*
Gul, M., Ayan, E., Destan, E., Johnson, J., Shafiei, A., Kepceoglu, A., Yilmaz, M., Ertem, F., Yapici, I., Tosun, B., Baldir, N., Tokay, N., Nergiz, et al
2023; 13 (1): 8123
- **Comparative Study of High-Resolution LysB29(N[#]-myristoyl) des(B30) Insulin Structures Display Novel Dynamic Causal Interrelations in Monomeric-Dimeric Motions** *CRYSTALS*
Ayan, E., Destan, E., Kepceoglu, A., Ciftci, H., Kati, A., DeMirici, H.
2023; 13 (4)
- **Cryogenic X-ray crystallographic studies of biomacromolecules at Turkish Light Source "Turkish DeLight"** *TURKISH JOURNAL OF BIOLOGY*
Atalay, N., Akcan, E., Gul, M., Ayan, E., Destan, E., Ertem, F., Tokay, N., Cakilkaya, B., Nergiz, Z., Karakadioglu, G., Kepceoglu, A., Yapici, I., Tosun, et al
2023; 47 (1): 1+
- **Experimental and theoretical study of the characteristics of LSPR peaks for metal NPs produced by controlling Ar ambient gas pressure to enhance the efficiency of solar cells** *CANADIAN JOURNAL OF PHYSICS*
Gezgin, S., Kepceoglu, A., Kilic, H.
2021; 99 (10): 907-912
- **Rhenium/rhenium oxide nanoparticles production using femtosecond pulsed laser ablation in liquid.** *Turkish journal of chemistry*
Kepceoglu, A., Gundogdu, Y., Sarilmaz, A., Ersöz, M., Özel, F., Kiliç, H. #.
2021; 45 (2): 485-492
- **Effect of Ar Gas Pressure on LSPR Property of Au Nanoparticles: Comparison of Experimental and Theoretical Studies.** *Nanomaterials (Basel, Switzerland)*
Gezgin, S. Y., Kepceoglu, A., Gundogdu, Y., Zongo, S., Zawadzka, A., Kiliç, H. #., Sahraoui, B.
2020; 10 (6)
- **Real-Time Distinguishing of the Xylene Isomers Using Photoionization and Dissociation Mass Spectra Obtained by Femtosecond Laser Mass Spectrometry (FLMS)** *ANALYTICAL LETTERS*
Kepceoglu, A., Gundogdu, Y., Ledinghama, K., kilic, H.

2020; 53 (2): 290-307

- **Nonlinear Optical Properties of Zinc Oxide Thin Films Produced by Pulsed Laser Deposition**
Kepceoglu, A., Gezgin, S., Gundogdu, Y., Kucukcelebi, H., Kilic, H. S.
ELSEVIER.2019: 1819-1825
- **Molecular Structure and TD-DFT Study of the Xylene Isomers** *GAZI UNIVERSITY JOURNAL OF SCIENCE*
Kepceoglu, A., Gundogdu, Y., Dereli, O., Kilic, H.
2019; 32 (1): 300-308
- **Investigation of Conversion Efficiency of n-ZnO/p-Si Heterojunction Device Produced by Pulsed Laser Deposition (PLD)**
Gezgin, S., Kepceoglu, A., Toprak, A., Kilic, H.
ELSEVIER.2019: 1996-2002
- **Femtosecond Laser Ablation Synthesis of Nanoparticles and Nano-Hybrides in Ethanol Medium**
Gundogdu, Y., Kepceoglu, A., Gezgin, S., Kucukcelebi, H., Kilic, H.
ELSEVIER.2019: 1803-1810
- **An Experimental and Theoretical Comparison of Plasmonic Properties of Metallic Nano-Particles Have Different Morphological Properties**
Gezgin, S., Kepceoglu, A., Kucukcelebi, H., Kilic, H.
ELSEVIER.2019: 1896-1902
- **Analysis of the xylene isomers by femtosecond laser time of flight mass spectrometry**
Kepceoglu, A., Koklu, N., Gundogdu, Y., Dereli, O., Kilic, H. S.
CANADIAN SCIENCE PUBLISHING.2018: 711-715
- **Effect of different surface treatments on the shear bond strength of resin cement to zirconia ceramic and metal alloy** *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*
Yucel, M., Kilic, I., Okutan, Y., Tobi, E., Kilic, H., Kepceoglu, A., Donmez, M.
2018; 32 (20): 2232-2243
- **Molecular Structure and the EPR Calculation of the Gas Phase Succinonitrile Molecule**
Kepceoglu, A., Kilic, H. S., Dereli, O., Akkus, B., Oktem, Y., Dogan, G. S., Guzelcimen, F.
AMER INST PHYSICS.2017
- **Production and Characterization of Titanium (Ti), Platinum (Pt) and Tantalum (Ta) Thin Films for Native DNA Biosensors**
Genc, E., Kepceoglu, A., Gezgin, S., Kars, M., Kilic, H., Akkus, B., Oktem, Y., Dogan, G. S., Guzelcimen, F.
AMER INST PHYSICS.2017
- **An Experimental Investigation of Localised Surface Plasmon Resonance (LSPR) for Cu Nanoparticles Depending as a Function of Laser Pulse Number in Pulsed Laser Deposition**
Gezgin, S., Kepceoglu, A., Kilic, H., Akkus, B., Oktem, Y., Dogan, G. S., Guzelcimen, F.
AMER INST PHYSICS.2017
- **An Investigation of Localised Surface Plasmon Resonance (LSPR) of Ag Nanoparticles Produced by Pulsed Laser Deposition (PLD) Technique**
Gezgin, S., Kepceoglu, A., Kilic, H., Akkus, B., Oktem, Y., Dogan, G. S., Guzelcimen, F.
AMER INST PHYSICS.2017
- **Identification of the Isomers Using Principal Component Analysis (PCA) Method**
Kepceoglu, A., Gundogdu, Y., Ledingham, K., Kilic, H., Akkus, B., Oktem, Y., Yalcin, L. S., Mutlu, R. B., Dogan, G. S.
AMER INST PHYSICS.2016
- **Plasmonic Tuning of Gold Doped Thin Films for Layers of Photovoltaic Devices**
Gezgin, S., Kilic, H., Kepceoglu, A., Bayir, S., Nalbantoglu, I., Toprak, A., Akkus, B., Oktem, Y., Yalcin, L. S., Mutlu, R. B., Dogan, G. S.
AMER INST PHYSICS.2016
- **Effect of femtosecond laser beam angle on bond strength of zirconia-resin cement.** *Lasers in medical science*
Akpinar, Y. Z., Kepceoglu, A., Yavuz, T., Aslan, M. A., Demirtag, Z., K#l#c, H. S., Usumez, A.
2015; 30 (8): 2123-8

- **Effect of different surface shapes formed by femtosecond laser on zirconia-resin cement shear bond strength** *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*
Akpinar, Y., Yavuz, T., Aslan, M., Kepceoglu, A., Kilic, H.
2015; 29 (3): 149-157
- **Optical and structural characterization of thin films containing metallophthalocyanine chlorides** *DYES AND PIGMENTS*
Zawadzka, A., Karakas, A., Plociennik, P., Szatkowski, J., Lukasiak, Z., Kapceoglu, A., Ceylan, Y., Sahraoui, B.
2015; 112: 116-126
- **Femtosecond laser induced photodynamic therapy on 5-ALA treated SKMEL-30 cells: an efficient theranostic strategy to combat melanoma.** *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*
Kars, M. D., Kara, R., Gündo#du, Y., Kepceo#lu, A., K#l#ç, H. #.
2014; 68 (5): 657-62
- **Ag/AgCl electrodes in the EEG/fMRI method in 3T MRI scanner** *EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS*
Akay, C., Kepceoglu, A.
2013; 64 (1)