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Kişisel Bilgiler

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Makaleler (YOKSIS)

- 1 A DFTBased QSARs Study of Acetazolamide Sulfanilamide Derivatives with Carbonic Anhydrase CA II Isozyme Inhibitory Activity**
Eroglu Erol, Turkmen Hasan, Guler Semra, Palaz Selami and Oltulu Oral
International Journal of Molecular Sciences, <http://www.mdpi.com/1422-0067/8/2/145>
- 2 A new vibrational study of Acetazolamide compound based on normal coordinate analysis andDFT calculations**
Brandn SA, Eroğlu Erol, Ledesma AE, Oltulu Oral, Yalçinkaya O B
Journal of Molecular Structure, <http://www.sciencedirect.com/science/article/pii/S0022286010008781>
- 3 A QSAR study on relationship betweenstructure of sulfonamides and their carbonic anhydrase inhibitory activity using theeigenvalue EVA method**
Oltulu Oral, Yaşar Mehmet M, Eroglu Erol
European Journal of Medicinal Chemistry, <http://www.sciencedirect.com/science/article/pii/S0223523409000737>
- 4 Application of absorption and refraction matching techniques for diffraction enhanced imaging**
Hasnah Moumen,OLTULU ORAL,Zhong Zhong,Dean Chapman
Review of Scientific Instruments,
- 5 AVBVICVII ferroelectrics as novel materials for phononic crystals**
PALAZ SELAMİ,OLTULU ORAL,Mamedov Amirullah M,ÖZBAY EKMELE
Ferroelectrics, <https://www.tandfonline.com/doi/full/10.1080/00150193.2017.1332966>
- 6 Band gap and optical transmission in the Fibonacci type one dimensional AB6C7 based photonic crystals**
SIMSEK SEVKET,HUSNU KOC,SELAMI PALAZ,OLTULU ORAL,MAMEDOV AMIRULLAH,OZBAY EKMELE,OLTULU ORAL
physica status solidi (c), <http://doi.wiley.com/10.1002/pssc.201400244>
- 7 Band gap structure of elliptic rods in water for a 2D phononic crystal**
OLTULU ORAL,MAMEDOV AMIRULLAH,ÖZBAY EKMELE

- 7 Applied Physics A,<http://link.springer.com/10.1007/s00339-016-0734-z>
- 8 **Band structures of metacomposite based phononic crystals in quasi-Sierpinski fractals**
OLTULU ORAL, ÖZER ZAFER, ÖZBAY EKMEL, Mamedov Amirullah M
EPITOANYAG-JOURNAL OF SILICATE BASED AND COMPOSITE MATERIALS,https://epitoanyag.org.hu/wp-content/uploads/2022/04/10.14382_epitoanyag-jsbcm.2022.9.pdf
- 9 **Comparative QSTR Study Using Semi Empirical and First Principle Methods Based Descriptors for Acute Toxicity of Diverse Compounds to the Fathead Minnow**
Eroglu Erol, Palaz Selami, Oltulu Oral, Turkmen Hasan and Özaydin Cihat
International Journal of Molecular Sciences,
- 10 **Development of selective QSAR models and molecular docking study for inhibitory activity of sulfonamide derivatives against carbonic anhydrase isoforms II and IX**
YORULMAZ NURİ, OLTULU ORAL, EROĞLU EROL
JOURNAL OF MOLECULAR STRUCTURE,
- 11 **Diffraction Enhanced Imaging contrast mechanisms in breast cancer specimens**
Hasnah M, Zhong Z, Oltulu O, Pisano E and Johnston R E , Sayers D, Thomlinson W, Chapman D
Medical Physics,<http://www.medphys.org/>
- 12 **Diffraction enhanced imaging of soft tissues**
Zhong Zhong, Chapman Dean, Connor Dean, Dilmanian Abraham, Nicholas Gmur, Hasnah Moumen, Johnston RE, Kiss MZ, Li J, MUEHLEMAN Carol, OLTULU ORAL, Parham Chris, Pisano Etta, Rigon Lui, Thomlinson William, Martin Yaffe, Zhong Huang
Synchrotron Radiation News,<http://www.tandfonline.com/doi/abs/10.1080/08940880208602986>
- 13 **Diffraction enhanced X ray imaging of articular cartilage**
Mollenhauer J, Aurich M E, Zhong Z, Muehleman Carol , Cole A A , Hasnah M, Oltulu Oral, Kuettner KE, Margulis A and Chapman Dean,
Osteoarthritis and Cartilage J. OsteoArthritis Research Society International,<http://www.sciencedirect.com/science/article/pii/S1063458401904960>
- 14 **Dönen Kare Çubuklu İki Boyutlu Fononik Kristalin Dispersiyon Özellikleri**
PALAZ SELAMİ, OLTULU ORAL, MAMEDOV AMİRULLAH M
Afyon Kocatepe Üniversitesi Fen Ve Mühendislik Bilimleri Dergisi,<https://dergipark.org.tr/tr/pub/akufemubid/issue/51083/577855>
- 15 **Dynamic Nonlinear Optical Processes in Some Oxygen Octahedra Ferroelectrics First Principle Calculations**
ŞİMŞEK ŞEVKET, KOÇ HÜSNÜ, PALAZ SELAMİ, OLTULU ORAL, MAMEDOV AMİRULLAH, ÖZBAY EKMEL
Ferroelectrics,<http://www.tandfonline.com/doi/full/10.1080/00150193.2015.1058668>
- 16 **Extraction of extinction refraction and absorption properties in diffraction enhanced imaging**
Oltulu O, Zhong Z, Hasnah M, Wernick M, Dean Chapman
Journal of Physics D - Applied Physics,<http://iopscience.iop.org/0022-3727/36/17/320/>
- 17 **Mass Density Images from the Diffraction Enhanced Imaging Technique**
Hasnah M, Oltulu O, Parham C, Pisano ED , Zhong Z, and Chapman D
Medical Physics,

- 18 **Mechanical electronic and optical properties of the A4B6 layered ferroelectrics ab initio calculation**
KOÇ HÜSNÜ,ŞİMŞEK ŞEVKET,PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMRULLAH,ÖZBAY EKMELE
physica status solidi (c),<http://doi.wiley.com/10.1002/pssc.201400245>
- 19 **Multiple band gaps of a ferroelectric based 2D-phononic crystal slab**
PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2018.1474661>
- 20 **Multiple Image Radiography**
Wernick Miles, Wirjadi Oliver, Chapman Dean, Zhong Zhong, Nikolas Galatsanos,Yongyi Yang, Jovan Brankov, Oral Oltulu, Mark Anastasio and Carol Muehleman
Physics in Medicine and Biology,<http://iopscience.iop.org/0031-9155/48/23/006/>
- 21 **Phononic band gap and wave propagation on multiferroic-based acoustic metamaterials**
PALAZ SELAMİ,ÖZER ZAFER,OLTULU ORAL,Mamedov Amirullah M,ÖZBAY EKMELE
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1570016>
- 22 **Phononic band gap and wave propagation on polyvinylidene fluoride based acoustic metamaterials**
OLTULU ORAL,ŞİMŞEK ŞEVKET,MAMEDOV AMİRULLAH,ÖZBAY EKMELE
Cogent Physics,<https://www.cogentoa.com/article/10.1080/23311940.2016.1169570>
- 23 **SbSI Based Photonic Crystal Superlattices Band Structure and Optics**
ŞİMŞEK ŞEVKET,KOÇ HÜSNÜ,PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH,ÖZBAY EKMELE
IOP Conf. Series: Materials Science and Engineering,
- 24 **Single exposure simultaneous diffraction enhanced imaging**
Hasnah Moumen, Oltulu Oral, Zhong Zhong, Chapman Dean
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT,
- 25 **Structural characterization of Zn1 xCdxO 0 x 0 20 microrods grown by spray pyrolysis**
Bacaksiz Emin, Altunbaş M, Özçelik S, O Oltulu, M Tomakin, S Yılmaz
Materials Science in Semiconductor Processing,<http://www.sciencedirect.com/science/article/pii/S1369800109001000>
- 26 **Topological insulator based locally resonant phononic crystals Wave propagation and acoustic band gaps**
OLTULU ORAL,ŞİMŞEK ŞEVKET,MAMEDOV AMİRULLAH,ÖZBAY EKMELE
Ferroelectrics,<http://www.tandfonline.com/doi/full/10.1080/00150193.2016.1173507>
- 27 **Two-dimensional phononic band structure of archimedean-logarithmic spiral-based slabs**
PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1598196>
- 28 **Visible spectroscopy of 5CB 8CB liquid crystals**
OLTULU ORAL,ÇAKIRTAŞ FATİH,YORULMAZ NURİ,YILMAZ SÜLEYMAN

- 28 Phase Transitions,
- 29 **Wave propagation and acoustic band gaps of two-dimensional liquid crystal/solid phononic crystals**
OLTULU ORAL,Mamedov Amirullah M,ÖZBAY EKMELE
Applied Physics A,<http://link.springer.com/10.1007/s00339-016-0623-5>

Bildiriler (YOKSIS)

- 1 **A5B6C7 Ferroelectrics as Novel Materials for Phononic Crystals**
PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMIRULLAH M,ÖZBAY EKMELE
13th Russia/Baltic/ Japan Symposium on Ferroelectricity International Workshop Relaxor Ferroelectrics 2016 ,
- 2 **Acoustic Phononic Crystals with Square-Shaped Scatterers for Two Dimensional Structures**
OLTULU ORAL,DEMİR MEHTAP,PALAZ SELAMİ,Mamedov Amirullah M,ÖZBAY EKMELE
ISITES2017 5th International Symposium on Innovative Technologies in Engineering and Science ,
<https://isites.info/PastConferences/ISITES2017/ISITES2017/papers/A9-ISITES2017ID62.pdf>
- 3 **Effect of Material Parameters on Band Gap of Sonic Crystals BaTiO₃ Polar Liquids**
OLTULU ORAL,MAMEDOV AMIRULLAH,ÖZBAY EKMELE
META'16, the 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics ,
- 4 **İki boyutlu katı/katı fononik kristallerde elastik bant yapıları**
OLTULU ORAL,Mamedov Amirullah M,ÖZBAY EKMELE
ADIM FİZİK GÜNLERİ VI , <http://adimfizikvi.balikesir.edu.tr/bilimselprogram.html>
- 5 **Multiple bandgaps of ferroelectric based two-dimensional phononic crystals slab with Archimedes and Fibonacci spiral holes**
Mamedov Amirullah M,PALAZ SELAMİ,OLTULU ORAL,ÖZBAY EKMELE
The 14th International Meeting on Ferroelectricity ,
- 6 **Multiple Image Radiography With Diffraction Enhanced Imaging For Breast Specimen**
OLTULU ORAL,Zhong Zhong,Hasnah Moumen,Chapman Dean
AIP Conference Proceedings , <http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.2733231>
- 7 **Phononic Band Gap and Wave Propagation on multiferroic based acoustic metamaterials**
ÖZER ZAFER,OLTULU ORAL,Mamedov Amirullah M,ÖZBAY EKMELE
14th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity , <http://rcbjsf2018.ru/>
- 8 **SURFACE TILT ANGLE MEASUREMENTS OF (5CB) LIQUID CRYSTAL MOLECULES**
OLTULU ORAL,PALAZ SELAMİ,YILMAZ SÜLEYMAN,Mamedov Amirullah M
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS ,
- 9 **Two-dimensional phononic band structure of Archimedean-logarithmic spiral-based slabs**
OLTULU ORAL,PALAZ SELAMİ,MAMEDOV AMIRULLAH M,ÖZBAY EKMELE
European Conference on Applications of Polar Dielectrics (ECAPD-2018) ,
<http://cplire.ru:8080/4444/1/Kiselev2028ECAPD-2018292028c.2010529.pdf>

- 10 use of EVA descriptor to construct linear QSAR Model for determining inhibitory activity of sulfonamides against carbonic anhydrase and sweetness index of aspartame derivatives**
EROĞLU EROL,YORULMAZ NURİ,OLTULU ORAL,YAŞAR MEHMET MURAT
3rd international Turkish Congress On molecular Spectroscopy , <https://www.spq.pt/agenda/event/329>
- 11 Use of EVA Descriptor to Construct Linear QSAR Model for Determining Inhibitory Activity of Sulfonamides against Carbonic Anhydrase and Sweetness Index of Aspartame Derivatives**
EROĞLU EROL,YORULMAZ NURİ,OLTULU ORAL,YAŞAR MEHMET MURAT,ÇAM İHSAN BURAK
3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017) ,
<http://turcmos.com/wp-content/uploads/2017/10/Turcmos2017-AbstractBook-v.09.pdf>
- 12 Wave Propagation and Acoustic Band Gaps of Liquid Crystal Solid Systems**
OLTULU ORAL,MAMEDOV AMIRULLAH,ÖZBAY EKMELE
META'16, the 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics ,