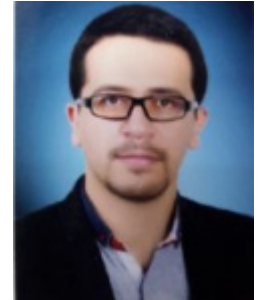


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سوابق اجرایی

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مقالات در همایش ها

1. محمد اقبالی آرانی، وحید عامری، ENTANGLEMENT BETWEEN BEC BOGOLIUBOV MODES AND OUTPUT OPTICAL FIELD OF A CAVITY. ۶۳rd The IIER International conference on applied physics and mathematics. Phuket, ۲۰۱۶ ۲ ۲۸
2. وحید عامری، محمد اقبالی آرانی، ۶۳rd FRICTIONAL RADIATION OF A ROTATING NANO PARTICLE, The IIER International conference on applied physics and mathematics. Phuket, ۲۰۱۶ ۲ ۲۸

مقالات در نشریات

1. M. Eghbali Arani, M. Najafimanesh, A. Askari. Research Paper: Entanglement and Quantum Cooling of a Hybrid System Composed of BEC and Optical Cavity, Iranian Journal of Applied Physics, مجلد ۱۲، شماره صفحات ۱۹، ۱۴۰۱/۰۷/۰۱. ISC.
2. S. Pourmasoud, M. Eghbali Arani, A. Amousoltani, Electronic and optical properties of UPtGe crystal, J PHYS CHEM SOLIDS, Vol. 166, pp. 110703, 2022 04 08, JCR
3. V. Amei, M. Eghbali Arani, M. Rafie, Synchronization of a periodic modulation of mirrors in an optomechanical system, QUANTUM INF PROCESS, 2019 10 04, SCOPUS, JCR
4. H. R. Naderi, S. Pourmasoud, V. Ameri, M. Eghbali Arani, Low Temperature Synthesis and

Characterization of Flower Like Ytterbium Molybdate Nanopowders and Investigate Supercapacitor Properties, *Analytical & Bioanalytical Electrochemistry*, Vol. 11, pp. 1087, 2019 08 .31, SCOPUS

M. Rahimi Nasrabadi, A. Ghaderi, H. R. Banafsheh, M. Eghbali Arani, M. Akbari, F. Ahmadi, S. .5 Pourmasoud, A. Sobhani Nasab, Preparation of Co₂TiO₄/CoTiO₃/Polyaniline ternary nano-hybrids for enhanced destruction of agriculture poison and organic dyes under visible-light irradiation, *J MATER SCI-MATER EL*, Vol. 30, pp. 15854, 2019 08 09, SCOPUS , JCR

H. R. Naderi, A. Ghaderi, Z. Seyedi Mofrad, M. Eghbali Arani, Facile Synthesis and .6 Characterization of CeMoO₄ Nanostructure via Co-precipitation Method and Investigate its Application Supercapacitor, *Analytical & Bioanalytical Electrochemistry*, Vol. 11, pp. 679, 2019 06 .30, SCOPUS

S. M. Peymani motlagh, N. Moeinian, M. Rostami, M. Fasihi Ramandi, A. Sobhani Nasab, M. .7 Rahimi Nasrabadi, M. Eghbali Arani, M. Ganjali, E. Herman, T. Jesionowski, M. A. Karimi, N. Ajami, Effect of Gd³⁺, Pr³⁺ or Sm³⁺-substituted cobalt–zinc ferrite on photodegradation of .methyl orange and cytotoxicity tests, *J RARE EARTH*, 2019 06 15, SCOPUS , JCR

S. Pourmasod, M. Eghbali Arani, V. Ameri, M. Rahimi Nasrabadi, F. Ahmadi, A. Sobhani .8 Nasab, Synthesis of some transition MWO₄ (M: Mn, Fe, Co, Ni, Cu, Zn, Cd) nanostructures by .hydrothermal method, *J MATER SCI-MATER EL*, 2019 04 22, JCR

Synthesis of novel Fe₃O₄@SiO₂@Er₂TiO₅ superparamagnetic core–shell and evaluation of .9 .their photocatalytic capacity, *Journal of Materials Science: Materials in Electronics*, 2020 7 1

Ali Sobhani Nasab et al., Eco-friendly preparation and characterization of CuMn₂O₄ .10 nanoparticles with the green capping agent and their photocatalytic and photovoltaic .applications, *Iranian Journal of Catalysis*, 2020 6 1

CdTe quantum dots prepared using herbal species and microorganisms and their anti- .11 .cancer, drug delivery and antibacterial applications; a review, *Ceramics International*, 2020 6 1

Sajad Ghaemifar et al., Preparation and characterization of MnTiO₃, FeTiO₃, and CoTiO₃ .12 nanoparticles and investigation various applications: a review, *Journal of Materials Science: .Materials in Electronics*, 2020 5 1

Preparation of Fe₃O₄/SiO₂/TiO₂/CeVO₄ Nanocomposites: Investigation of Photocatalytic .13 Effects on Organic Pollutants, Bacterial Environments, and New Potential Therapeutic Candidate .Against Cancer Cells, *Frontiers in pharmacology*, 2020 1 1

Vahid Ameri , Mohammad Eghbali Arani , Morteza Rafiee, Synchronization of a periodic .14 .modulation of mirrors in an optomechanical system, *Quantum Information Processing*, 2019 11 1

Seyed Mahdi Peymani Motlagh, Ali Sobhani Nasab, Mojtaba Rostami, Hossein Sobati, .15 Mohammad Eghbali Arani, Mahdi Fasihi Ramandi, Mohammad Reza Ganjali, Mehdi Rahimi Nasrabadi, Assessing the magnetic, cytotoxic and photocatalytic influence of incorporating Yb³⁺ .or Pr³⁺ ions in cobalt–nickel ferrite, *Journal of Materials Science: Materials in Electronics*, 2019

Hamid Naderi, Hossein Sobati, Ali Sobhani Nasab, Mehdi Rahimi Nasrabadi, Mohammad .16 Eghbali Arani, Mohammad Reza Ganjali, Hermann Ehrlich, Synthesis and Supercapacitor .Application of Cerium Tungstate Nanostructure, *ChemistrySelect*, 2019

Hamid Kooshki, Ali Sobhani Nasab, Mohammad Eghbali Arani, Farhad Ahmadi, Vahid Ameri, .17 Mehdi Rahimi Nasrabadi, Eco-friendly synthesis of PbTiO₃ nanoparticles and PbTiO₃/carbon quantum dots binary nano-hybrids for enhanced photocatalytic performance under visible .light, *Separation and Purification Technology*, pp. 873-881, 2019

Seyed Morteza Asgarian, Saeid Pourmasoud, Zohreh Kargar, Ali Sobhani Nasab, Mohammad .18 Eghbali Arani, Investigation of positron annihilation lifetime and magnetic properties of .Co_{1-x}Cu_xFe₂O₄ nanoparticles, *Materials Research Express*, 2019

M. Eghbali Arani, A. Sobhani Nasab, M. Rahimi Nasrabadi, S. Pourmasoud, Green Synthesis and .19 Characterization of SmVO₄ Nanoparticles in the Presence of Carbohydrates As Capping Agents .with Investigation of Visible-Light Photocatalytic Properties, *Journal of Electronic Materials*, 2018

- Mohammad Eghbali Arani, Saeid Pourmasoud, Farhad Ahmadi, Mehdi Rahimi, & Nasrabadi, .20
 Vahid Ameri, Ali Sobhani Nasab, Optimization and detailed stability study on coupling of CdMoO₄
 into BaWO₄ for enhanced photodegradation and removal of organic contaminant, Arabian
 .Journal of Chemistry, 2018
- M. Eghbali Arani, A. Sobhani Nasab, M. Rahimi Narsabadi, F. Ahmadi, S. .21
 pourmasoud, Ultrasound-assisted synthesis of YbVO₄ nanostructure and YbVO₄/CuWO₄
 nanocomposites for enhanced photocatalytic degradation of organic dyes under visible
 .light, Ultrasonics Sonochemistry, 2018
- F. Ahmadi, M. Rahimi Nasrabadi, M Eghbali Arani, The synthesise of CuWO₄ nano particles by .22
 a new morphological control method, characterization of its photocatalytic activity, J MATER SCI-
 .MATER EL, 2017 4 01, ISI
- V. Ameri, M. Eghbali Arani, The effect of rotation on the heat transfer between two .23
 .nanoparticles, The European Physical Journal D, 2017
- V. Ameri, M. Eghbali Arani, Rotational synchronization of two noncontact .24
 .nanoparticles, Journal of Optical Society of America B, 2017
- V. Ameri, M. Eghbali Arani, S. Pourmasoud, New route for preparation of cerium vanadate .25
 nanoparticles with different morphology and investigation of optical and photocatalytic
 .properties, J MATER SCI-MATER EL, 2017, ISI
- S. Pourmasoud, M. Eghbali Arani, M. Rahimi Nasrabadi, F. Ahmadi, Synthesis, .26
 characterization, and morphological control of PbWO₄ nanostructures through precipitation
 .method and its photocatalyst application, J MATER SCI-MATER EL, 2017, ISI
- M. Rahimi Nasrabadi, M. Eghbali Arani, The effect of sugars on the morphology of MnWO₄ .27
 .nanoparticles, and evaluating the product as photocatalysts, J MATER SCI-MATER EL, 2017, ISI
- F. Ahmadi, M Rahimi Nasrabadi, MA. Daneshmehr, M Eghbali Arani, Synthesis, .28
 characterization, and investigation of magnetic, photocatalytic and antibacterial properties of
 .TbVO₄ nanoparticles, J MATER SCI-MATER EL, 2017, ISI
- M. Rahimi Nasrabadi, F. Ahmadi, M. Eghbali, & Arani, Different morphologies fabrication of .29
 NiAl₂O₄ nanostructures with the aid of new template and its photocatalyst application, J MATER
 .SCI-MATER EL, 2017, ISI
- V. Ameri, M. Eghbali, & Arani, M. Soltani, Perturbative approach to dynamical Casimir effect in .30
 .an interface of dielectric mediums, EUR PHYS J D, 2016 12 01, ISI
- M. Eghbali Arani, V. Ameri, Entanglement of two hybrid optomechanical cavities composed of .31
 .BEC atoms under Bell detection, QUANTUM INF PROCESS, 2016 12 01, ISI
- M. Rahimi Nasrabadi, F. Ahmadi, M. Eghbali, & Arani, Simple morphology-controlled .32
 fabrication of CdTiO₃ nanoparticles with the aid of different capping agents, J MATER SCI-
 .MATER EL, 2016, ISI
- M. Rahimi Nasrabadi, F. Ahmadi, M. Eghbali, & Arani, Novel route to synthesize .33
 nanocrystalline nickel titanate in the presence of amino acids as a capping agent, J MATER SCI-
 .MATER EL, 2016, ISI
- M. Eghbali Arani, H. Yavari, MA. Shahzamanian, V. Giovannetti, Sh. Barzanjeh, Generating .34
 quantum discord between two distant Bose–Einstein condensates with Bell-like detection, J OPT
 .SOC AM B, 2015 5 01, ISI
- M. Eghbali Arani, H. Yavari, Sh. Barzanjeh, M. A. Shahzamanian, Cooling of a nanomechanical .35
 .resonator in presence of a single diatomic molecule, ANN PHYS-NEW YORK, 2015 4 01, ISI
- R. Fazio, V. Ameri, M. Eghbali Arani, A. Mari, A. Farace, F. Kheirandish, V. Giovannetti, Mutual .36
 .information as an order parameter for quantum synchronization, PHYS REV A, 2015 1 01, ISI
- M. Eghbali Arani, M. Ghazavi, M.A. Shahzamanian, Thermal Conductivity of Superconductor .37
 Sr₂RuO₄ at Low Temperatures and Magnetic Fields, Journal of Superconductivity and Novel
 .Magnetism, 2012 11 01, ISI
- M. Mozaffari, M. Eghbali Arani, J. Amighian, The effect of cation distribution on magnetization .38

.of ZnFe₂O₄ nanoparticles, J MAGN MAGN MATER, 2010 11 01, ISI
Mohammad Javad Nasr Isfahani, Maxym Myndyk, Mohammad Eghbali Arani, Jan Āubrt, .39
Vladimir ĀepelĀk, Structural and Magnetic Properties of NiFe₂-2xSnxCuxO₄, J MAGN MAGN
.MATER, 2010 11 01, ISI
M. Eghbali Arani, M. J. Nasr Isfahani, M. Almasi Kashi, Preparation and magnetic studies of .40
.nickel ferrite nanoparticles substituted by Sn⁴⁺ and Cu²⁺, J MAGN MAGN MATER, 2010 10 01, ISI