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List of Publications by Year in descending order

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46
papers

891
citations

430874

18
h-index

454955

30
g-index

46
all docs

46
docs citations

46
times ranked

1143
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of <i>E. coli</i> and <i>S. aureus</i> with selenium nanoparticles synthesized by pulsed laser ablation in deionized water. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3731-3736.	6.7	97
2	Inhibition of <i>Candida albicans</i> biofilm by pure selenium nanoparticles synthesized by pulsed laser ablation in liquids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1095-1103.	3.3	75
3	Synergistic antifungal effect of chitosan-stabilized selenium nanoparticles synthesized by pulsed laser ablation in liquids against <i>Candida albicans</i> biofilms. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2697-2708.	6.7	62
4	Absorption intensities and emission cross sections of Tb ³⁺ (4f ⁸) in TbAlO ₃ . <i>Journal of Applied Physics</i> , 2006, 100, 083108.	2.5	59
5	Nanoarchitecture of TiO ₂ microspheres with expanded lattice interlayers and its heterojunction to the laser modified black TiO ₂ using pulsed laser ablation in liquid with improved photocatalytic performance under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 234-248.	9.4	56
6	Spectroscopic and magnetic susceptibility analyses of the 7F _J and 5D ₄ energy levels of Tb ³⁺ (4f ⁸) in TbAlO ₃ . <i>Journal of Luminescence</i> , 2008, 128, 1271-1284.	3.1	51
7	Absorption intensities and emission cross section of intermanifold transition of Er ³⁺ in Er ³⁺ :Y ₂ O ₃ nanocrystals. <i>Journal of Applied Physics</i> , 2007, 101, 113115.	2.5	38
8	Modeling optical transitions of Er ³⁺ (4f ¹¹) in C ₂ and C _{3i} sites in polycrystalline Y ₂ O ₃ . <i>Journal of Applied Physics</i> , 2008, 104, 023101.	2.5	38
9	Magneto-elasto-electroporation (MEEP): In-vitro visualization and numerical characteristics. <i>Scientific Reports</i> , 2016, 6, 32019.	3.3	34
10	Heterojunction of vertically aligned MoS ₂ layers to Hydrogenated Black TiO ₂ and Rutile Based Inorganic Hollow Microspheres for the highly enhanced visible light arsenic photooxidation. <i>Composites Part B: Engineering</i> , 2020, 185, 107785.	12.0	32
11	Simultaneous formation of ultra-thin MoSe ₂ nanosheets, Inorganic Fullerene-Like MoSe ₂ and MoO ₃ quantum dots using fast and ecofriendly Pulsed Laser Ablation in Liquid followed by microwave treatment. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 68-77.	4.0	29
12	Optical intensity analyses of Er ³⁺ :YAlO ₃ . <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	28
13	Optical absorption intensity analysis and emission cross sections for the intermanifold and the inter-Stark transitions of Nd ³⁺ (4f ³) in polycrystalline ceramic Y ₂ O ₃ . <i>Journal of Applied Physics</i> , 2006, 100, 123106.	2.5	27
14	Analyses of 4f ¹¹ Energy Levels and Transition Intensities Between Stark Levels of Er ³⁺ in Y ₃ Al ₅ O ₁₂ . <i>Spectroscopy Letters</i> , 2010, 43, 406-422.	1.0	26
15	Heterojunction of TiO ₂ nanoparticle embedded into ZSM5 to 2D and 3D layered-structures of MoS ₂ nanosheets fabricated by pulsed laser ablation and microwave technique in deionized water: structurally enhanced photocatalytic performance. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 19-32.	3.1	24
16	Comparative study of the crystal-field splitting of trivalent neodymium energy levels in polycrystalline ceramic and nanocrystalline yttrium oxide. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	21
17	Energy levels and symmetry assignments for Stark components of Ho ³⁺ (4f ¹⁰) in yttrium gallium garnet (Y ₃ Ga ₅ O ₁₂). <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	21
18	Ion correlation, solvent excluded volume and pH effects on physicochemical properties of spherical oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 325-333.	9.4	19

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19	Intensity analysis and energy-level modeling of Nd ³⁺ in Nd ³⁺ :Y ₂ O ₃ nanocrystals in polymeric hosts. Journal of Applied Physics, 2009, 105, 033102.	2.5	17
20	Spectral analysis of synthesized nanocrystalline aggregates of Er ³⁺ :Y ₂ O ₃ . Journal of Applied Physics, 2007, 101, 113116.	2.5	14
21	Intensity analysis and crystal-field modeling of Ho ³⁺ in KPb ₂ Cl ₅ host. Journal of Applied Physics, 2008, 103, .	2.5	14
22	Synthesis of tunable tellurium nanoparticles. Semiconductor Science and Technology, 2017, 32, 04LT01.	2.0	13
23	Absorption intensities, emission cross sections, and crystal field analysis of selected intermanifold transitions of Ho ³⁺ in Ho ³⁺ :Y ₂ O ₃ nanocrystals. Journal of Applied Physics, 2009, 106, .	2.5	12
24	In vitro monitoring of oxidative processes with self-aggregating gold nanoparticles using all-optical photoacoustic spectroscopy. Biosensors and Bioelectronics, 2015, 64, 676-682.	10.1	12
25	Phonon effects on zero-phonon transitions between Stark levels in NaBi(WO ₄) ₂ :Yb ³⁺ . Journal of Applied Physics, 2009, 105, .	2.5	11
26	Optical and spectroscopic properties of human whole blood and plasma with and without Y ₂ O ₃ and Nd ³⁺ :Y ₂ O ₃ nanoparticles. Lasers in Medical Science, 2013, 28, 1559-1566.	2.1	11
27	Faraday effect and magnetic susceptibility analyses in TbAlO ₃ . Journal of Applied Physics, 2008, 104, .	2.5	10
28	Intensity parametrizations for electric-dipole transitions between Stark components in Er ³⁺ :Y ₃ Al ₅ O ₁₂ . Journal of Alloys and Compounds, 2009, 488, 632-637.	5.5	8
29	Glycolipid-Containing Nanoparticle Vaccine Engages Invariant NKT Cells to Enhance Humoral Protection against Systemic Bacterial Infection but Abrogates T-Independent Vaccine Responses. Journal of Immunology, 2021, 206, 1806-1816.	0.8	7
30	Atomic-Scale Structural Analysis of Homoepitaxial LaF ₃ :Yb,Tm Core-Shell Upconversion Nanoparticles Synthesized through a Microwave Route. Crystal Growth and Design, 2020, 20, 2153-2163.	3.0	6
31	Optical characterization of gold and Er ³⁺ :Y ₂ O ₃ nanoparticles for biosensor applications. , 2007, 6449, 133.		5
32	Nonequilibrium population distribution in excited electronic states of Tb ³⁺ in Y ₃ Al ₅ O ₁₂ . Journal of Applied Physics, 2008, 103, .	2.5	3
33	Measurement of changes in plasma membrane phospholipid polarization following nanosecond pulsed electric field exposure. , 2013, , .		2
34	Sensing of reactive oxygen species by self-aggregating gold nanoparticle assemblies. , 2016, , 117-147.		2
35	Lanthanum fluoride upconverting nanoparticles for photo-biomodulation of cell function. , 2017, , .		2
36	Rare Earth Nanocomposites Based on Chitosan Platforms for Biological Applications. Materials Research Society Symposia Proceedings, 2012, 1471, 18.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Opto-acoustic characterization of chitosan based gold nanoparticles (GNPs) synthesized in the presence of monovalent salt. , 2013, , .		1
38	Influence of External Electrical Stimulation on Cellular Uptake of Gold Nanoparticles. Neuromethods, 2018, , 121-148.	0.3	1
39	Synthesis of colloidal SeTe nanoalloy by pulsed laser ablation in deep eutectic solvents to be used as anticancer treatment. , 2021, , .		1
40	Upconversion nanoparticles for photobiomodulation of neuronal cells. , 2019, , .		1
41	Co ²⁺ : GSGG as a saturable absorber for resonantly laser pumped 1.6 μ m Er:YAG laser. , 2007, , .		0
42	Co ²⁺ :GSGG as a Saturable Absorber for Resonantly Laser Pumped 1.6 μ m Er:YAG Laser. , 2007, , .		0
43	External stimulation by nanosecond pulsed electric fields to enhance cellular uptake of nanoparticles. Proceedings of SPIE, 2015, , .	0.8	0
44	Photoacoustic and magnetoelastic property of cobalt ferrite nanoparticles and its attenuation with barium titanate coating. Proceedings of SPIE, 2015, , .	0.8	0
45	Optimization of Irradiation Conditions for Upconversion Nanoparticle Assisted Photobiomodulation of Neuronal Cells. , 2018, , .		0
46	Bioessential chalcogenides and immunological applications: an in vitro exploration of Selenium nanoparticles as potential carriers and therapeutic agents (Conference Presentation). , 2019, , .		0