

Gaddam Vijaya Prakash

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7396217/publications.pdf>

Version: 2024-02-01

179
papers

5,027
citations

61857

43
h-index

123241

61
g-index

182
all docs

182
docs citations

182
times ranked

4583
citing authors

#	ARTICLE	IF	CITATIONS
1	Exfoliation of self-assembled 2D organic-inorganic perovskite semiconductors. Applied Physics Letters, 2014, 104, .	1.5	126
2	Luminescence characterization of Eu 3+ doped Zinc Alumino Bismuth Borate glasses for visible red emission applications. Journal of Luminescence, 2014, 156, 80-86.	1.5	124
3	Optical studies of Sm ³⁺ ions doped Zinc Alumino Bismuth Borate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 53-60.	2.0	122
4	Spectral characterisation of Sm ³⁺ ions doped Oxy-fluoroborate glasses for visible orange luminescent applications. Journal of Luminescence, 2014, 154, 410-424.	1.5	121
5	Nonlinear optical properties of silicon nanocrystals grown by plasma-enhanced chemical vapor deposition. Journal of Applied Physics, 2002, 91, 4607-4610.	1.1	116
6	Linear optical properties of niobium-based tellurite glasses. Solid State Communications, 2001, 119, 39-44.	0.9	113
7	Optical properties of Dy ³⁺ -doped sodium-“aluminum”phosphate glasses. Journal of Materials Science, 2011, 46, 2018-2023.	1.7	113
8	Optical properties of highly Er ³⁺ -doped sodium-“aluminium”phosphate glasses for broadband 1.5µm emission. Journal of Alloys and Compounds, 2011, 509, 4047-4052.	2.8	103
9	Lasing potentialities and white light generation capabilities of Dy ³⁺ doped oxy-fluoroborate glasses. Journal of Luminescence, 2014, 153, 382-392.	1.5	99
10	Spectroscopic studies of Pr ³⁺ doped lithium lead alumino borate glasses for visible reddish orange luminescent device applications. Journal of Alloys and Compounds, 2017, 708, 911-921.	2.8	99
11	In Situ Intercalation Dynamics in Inorganic-Organic Layered Perovskite Thin Films. ACS Applied Materials & Interfaces, 2014, 6, 10238-10247.	4.0	98
12	Synthesis, structure and optical studies of inorganic-organic hybrid semiconductor, NH ₃ (CH ₂) ₁₂ NH ₃ PbI ₄ . Materials Chemistry and Physics, 2010, 124, 44-47.	2.0	95
13	Strong Photocurrent from Two-Dimensional Excitons in Solution-Processed Stacked Perovskite Semiconductor Sheets. ACS Applied Materials & Interfaces, 2015, 7, 25227-25236.	4.0	93
14	Pseudocapacitance of Mesoporous Spinel-Type MCo ₂ O ₄ (M = Co, Zn, and Ni) Rods Fabricated by a Facile Solvothermal Route. ACS Omega, 2017, 2, 6003-6013.	1.6	79
15	Controllable white light emission from Dy ³⁺ -Eu ³⁺ co-doped KCaBO ₃ phosphor. Journal of Materials Science, 2011, 46, 7770-7775.	1.7	77
16	Structural, absorption and photoluminescence studies of Sm ³⁺ ions doped barium lead alumino fluoro borate glasses for optoelectronic device applications. Materials Research Bulletin, 2019, 110, 159-168.	2.7	76
17	Photoluminescence investigations on Sm ³⁺ ions doped borate glasses for tricolor w-LEDs and lasers. Materials Research Bulletin, 2018, 100, 206-212.	2.7	73
18	Visible red, NIR and Mid-IR emission studies of Ho ³⁺ doped Zinc Alumino Bismuth Borate glasses. Optical Materials, 2013, 36, 362-371.	1.7	71

#	ARTICLE	IF	CITATIONS
19	Spectroscopic investigations of Nd ³⁺ doped Lithium Lead Alumino Borate glasses for 1.06 μ m laser applications. <i>Optical Materials</i> , 2018, 75, 127-134.	1.7	70
20	Synthesis and optical characterization of strong red light emitting KLaF ₄ :Eu ³⁺ nanophosphors. <i>Chemical Physics Letters</i> , 2011, 508, 117-120.	1.2	68
21	Strong exciton-photon coupling in inorganic-organic multiple quantum wells embedded low-Q microcavity. <i>Optics Express</i> , 2009, 17, 22171.	1.7	66
22	Dy ³⁺ ions doped single and mixed alkali fluoro tungsten tellurite glasses for LASER and white LED applications. <i>Optical Materials</i> , 2016, 62, 569-577.	1.7	65
23	Influence of the annealing temperatures on the photoluminescence of KCaBO ₃ :Eu ³⁺ phosphor. <i>RSC Advances</i> , 2012, 2, 8768.	1.7	61
24	Exciton switching and Peierls transitions in hybrid inorganic-organic self-assembled quantum wells. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	60
25	Linear and nonlinear optical properties of plasma-enhanced chemical-vapour deposition grown silicon nanocrystals. <i>Journal of Modern Optics</i> , 2002, 49, 719-730.	0.6	59
26	Synthesis, structural, thermal and optical studies of inorganic-organic hybrid semiconductors, R-PbI ₄ . <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	59
27	Silicon nanostructures for photonics. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 8253-8281.	0.7	58
28	Strong green upconversion emission from Er ³⁺ +Yb ³⁺ co-doped KCaBO ₃ phosphor. <i>Chemical Physics Letters</i> , 2011, 504, 206-210.	1.2	57
29	Holmium doped Lead Tungsten Tellurite glasses for green luminescent applications. <i>Journal of Luminescence</i> , 2015, 163, 64-71.	1.5	57
30	Online Handwriting Recognition for Tamil. , 0, , .		55
31	Visible, Up-conversion and NIR (~1.5 μ m) luminescence studies of Er ³⁺ doped Zinc Alumino Bismuth Borate glasses. <i>Journal of Luminescence</i> , 2015, 163, 55-63.	1.5	55
32	Optical properties of Er ³⁺ doped alkali chlorophosphate glasses for optical amplifiers. <i>Optical Materials</i> , 2008, 31, 155-160.	1.7	54
33	Fabrication of excitonic luminescent inorganic-organic hybrid nano- and microcrystals. <i>Scripta Materialia</i> , 2012, 67, 834-837.	2.6	54
34	Synthesis and electrochemical properties of rGO/polypyrrole/ferrites nanocomposites obtained via a hydrothermal route for hybrid aqueous supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 845, 72-83.	1.9	54
35	KCa ₄ (BO ₃) ₃ :Ln ³⁺ (Ln = Dy, Eu, Tb) phosphors for near UV excited white-light-emitting diodes. <i>AIP Advances</i> , 2013, 3, .	0.6	53
36	Spectroscopic studies of Nd ³⁺ doped lead tungsten tellurite glasses for the NIR emission at 1062nm. <i>Optical Materials</i> , 2015, 39, 8-15.	1.7	53

#	ARTICLE	IF	CITATIONS
37	Absorption spectral studies of rare earth ions (Pr ³⁺ , Nd ³⁺ , Sm ³⁺ , Dy ³⁺ , Ho ³⁺ and Er ³⁺) doped in NASICON type phosphate glass, Na ₄ AlZnP ₃ O ₁₂ . Materials Letters, 2000, 46, 15-20.	1.3	51
38	Tb ³⁺ doped Zinc Alumino Bismuth Borate glasses for green emitting luminescent devices. Journal of Luminescence, 2014, 156, 180-187.	1.5	50
39	Investigation on structural and luminescence features of Dy ³⁺ ions doped alkaline-earth boro tellurite glasses for optoelectronic devices. Optical Materials, 2018, 85, 200-210.	1.7	48
40	Structural and optical studies of local disorder sensitivity in natural organic-inorganic self-assembled semiconductors. Journal Physics D: Applied Physics, 2009, 42, 185405.	1.3	46
41	Hexagonally Ordered KLaF ₄ Host: Phase-Controlled Synthesis and Luminescence Studies. Inorganic Chemistry, 2012, 51, 12748-12754.	1.9	46
42	Functional properties of ZnCo ₂ O ₄ nano-particles obtained by thermal decomposition of a solution of binary metal nitrates. RSC Advances, 2015, 5, 26843-26849.	1.7	46
43	In situ intercalation strategies for device-quality hybrid inorganic-organic self-assembled quantum wells. Applied Physics Letters, 2009, 95, 033309.	1.5	45
44	Structural tunability and switchable exciton emission in inorganic-organic hybrids with mixed halides. Journal of Applied Physics, 2013, 114, 233511.	1.1	45
45	Direct deposition strategy for highly ordered inorganic organic perovskite thin films and their optoelectronic applications. Optical Materials Express, 2014, 4, 1313.	1.6	44
46	Vitrification of K ₃ M ₂ P ₃ O ₁₂ (M=B, Al, Bi) NASICON-type materials and electrical relaxation studies. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 123, 63-68.	1.7	42
47	Fluorescence properties of Eu ³⁺ doped lead bearing fluoro-chloro phosphate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 1799-1808.	2.0	40
48	Pyramidal micromirrors for microsystems and atom chips. Applied Physics Letters, 2006, 88, 071116.	1.5	40
49	Preparation, characterization, ac conductivity and permittivity studies on vitreous M ₄ AlCdP ₃ O ₁₂ (M=Li, Na, K) system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 121, 2-8.	1.7	36
50	Synthesis, crystal structure and optical properties of quasi-one-dimensional lead (II) iodide: C ₁₄ H ₁₈ N ₂ Pb ₂ I ₆ . Solid State Sciences, 2010, 12, 95-98.	1.5	36
51	Spherical micromirrors from templated self-assembly: Polarization rotation on the micron scale. Applied Physics Letters, 2003, 83, 767-769.	1.5	35
52	Er ³⁺ -doped phosphate glasses with improved gain characteristics for broadband optical amplifiers. Optics Communications, 2012, 285, 5364-5367.	1.0	35
53	Laser-induced microstructuring of two-dimensional layered inorganic-organic perovskites. Physical Chemistry Chemical Physics, 2016, 18, 9666-9672.	1.3	35
54	Near white light emission from K ⁺ ion compensated CaSO ₄ :Dy ³⁺ ,Eu ³⁺ phosphors. Ceramics International, 2012, 38, 5769-5773.	2.3	32

#	ARTICLE	IF	CITATIONS
55	Fabrication and optoelectronic characterisation of ZnO photonic structures. <i>Materials Letters</i> , 2008, 62, 1183-1186.	1.3	31
56	Gold nanoflowers as efficient hosts for SERS based sensing and bio-imaging. <i>Nano Structures Nano Objects</i> , 2018, 16, 329-336.	1.9	31
57	Optical nonlinearities in chemically synthesized and femtosecond laser fabricated gold nanoparticle colloidal solutions. <i>Optics and Laser Technology</i> , 2021, 139, 107008.	2.2	30
58	Image excitons and plasmon-exciton strong coupling in two-dimensional perovskite semiconductors. <i>Physical Review B</i> , 2015, 91, .	1.1	27
59	Compositional dependence of red luminescence from Eu ³⁺ ions doped single and mixed alkali fluoro tungsten tellurite glasses. <i>Optical Materials</i> , 2017, 73, 260-267.	1.7	27
60	Structural, optical absorption and photoluminescence spectral studies of Sm ³⁺ ions in Alkaline-Earth Boro Tellurite glasses. <i>Optical Materials</i> , 2018, 79, 21-32.	1.7	27
61	Giant Optical Nonlinearities of Photonic Minibands in Metal-Dielectric Multilayers. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000035.	1.9	27
62	Structural and Optical Properties of Silicon Nanocrystals Grown by Plasma-Enhanced Chemical Vapor Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2001, 1, 159-168.	0.9	26
63	Naturally Self-Assembled Nanosystems and Their Templated Structures for Photonic Applications. <i>Journal of Nanoparticles</i> , 2013, 2013, 1-13.	1.4	26
64	A study on up-conversion and energy transfer kinetics of KGdF ₄ :Yb ³⁺ /Er ³⁺ nanophosphors. <i>Journal of Molecular Structure</i> , 2020, 1205, 127647.	1.8	26
65	Nanostructured silicon as a photonic material. <i>Optics and Lasers in Engineering</i> , 2003, 39, 345-368.	2.0	25
66	Tunable visible upconversion emission in Er ³⁺ /Yb ³⁺ -codoped KCaBO ₃ phosphors by introducing Ho ³⁺ ions. <i>Materials Letters</i> , 2014, 120, 232-235.	1.3	24
67	Efficient Surface Enhanced Raman Scattering substrates from femtosecond laser based fabrication. <i>Optical Materials</i> , 2017, 72, 86-90.	1.7	24
68	Fabrication and characterisation of CdSe photonic structures from self-assembled templates. <i>Materials Letters</i> , 2006, 60, 1744-1747.	1.3	23
69	Controlled emission from dye saturated single and coupled microcavities. <i>Applied Surface Science</i> , 2011, 257, 3468-3472.	3.1	23
70	Optical properties of Tb ³⁺ doped KLaF ₄ in cubic and hexagonal symmetries. <i>Optical Materials</i> , 2013, 36, 396-401.	1.7	23
71	Strong room-temperature ultraviolet to red excitons from inorganic organic-layered perovskites, (R-NH ₃) ₂ MX ₄ (M=Pb ²⁺ , Sn ²⁺ , Hg ²⁺ ; X=I ⁻ , Br ⁻). <i>Journal of Nanophotonics</i> , 2014, 8, 083892.	0.4	23
72	Morphological and luminescence studies on KGdF ₄ :Yb ³⁺ /Tb ³⁺ up-conversion nanophosphors. <i>Materials Chemistry and Physics</i> , 2018, 219, 13-21.	2.0	22

#	ARTICLE	IF	CITATIONS
73	Phase stabilization by rapid thermal annealing in amorphous hydrogenated silicon nitride film. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 095010.	0.7	21
74	Direct deposition of inorganic-organic hybrid semiconductors and their template-assisted microstructures. <i>Materials Chemistry and Physics</i> , 2013, 137, 941-946.	2.0	21
75	Spectroscopic study of Pr ³⁺ ions doped Zinc Lead Tungsten Tellurite glasses for visible photonic device applications. <i>Optical Materials</i> , 2018, 78, 457-464.	1.7	21
76	Homeotropic alignment of nematic liquid crystals with negative dielectric anisotropy. <i>Physica B: Condensed Matter</i> , 2010, 405, 2118-2121.	1.3	20
77	Excitation dependent photoluminescence study of Si-rich a-SiN _x :H thin films. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	20
78	Temperature-induced exciton switching in long alkyl chain based inorganic-organic hybrids. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	19
79	Raman scattering enhancement in photon-plasmon resonance mediated metal-dielectric microcavity. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	19
80	Luminescence spectral studies of Tm ³⁺ ions doped Lead Tungsten Tellurite glasses for visible Red and NIR applications. <i>Journal of Luminescence</i> , 2016, 175, 225-231.	1.5	19
81	Photonic Cavity-Mediated Tunable Ultrafast Absorption Dynamics in BaTiO ₃ -Based One-Dimensional Photonic Crystal. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1904-1911.	2.0	19
82	Physical and optical properties of NASICON-type phosphate glasses. <i>Materials Letters</i> , 2002, 57, 134-140.	1.3	18
83	Ion beam induced dissolution and precipitation of in situ formed Si-nanostructures in a-SiN _x :H matrix. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 276, 51-55.	0.6	18
84	Pr ³⁺ ions doped single alkali and mixed alkali fluoro tungsten tellurite glasses for visible red luminescent devices. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 345-351.	1.5	18
85	Strong two-photon absorption and ultrafast dynamics of meso-functionalized α -push-pull-trans-A ₂ BC porphyrins. <i>Dalton Transactions</i> , 2021, 50, 6256-6272.	1.6	18
86	Photoluminescence down-shifting studies of thermally stable Eu ³⁺ ions doped borosilicate glasses for visible red photonic device applications. <i>Journal of Non-Crystalline Solids</i> , 2022, 575, 121184.	1.5	18
87	Tunable resonant optical microcavities by self-assembled templating. <i>Optics Letters</i> , 2004, 29, 1500.	1.7	17
88	Strong exciton-photon coupling in a length tunable optical microcavity with J-aggregate dye heterostructures. <i>Applied Physics Letters</i> , 2005, 86, 041110.	1.5	17
89	Control of topological defects in microstructured liquid crystal cells. <i>Optics Express</i> , 2005, 13, 2201.	1.7	17
90	Ionic conduction and dielectric properties of yttrium doped LiZr ₂ (PO ₄) ₃ obtained by a Pechini-type polymerizable complex route. <i>Ceramics International</i> , 2018, 44, 15509-15516.	2.3	17

#	ARTICLE	IF	CITATIONS
91	Investigation, modelling and validation of material separation mechanism during fiber laser machining of medical grade titanium alloy Ti6Al4V and stainless steel SS316L. <i>Mechanics of Materials</i> , 2019, 137, 103125.	1.7	17
92	Color-Tunable Upconversion in Er ³⁺ /Yb ³⁺ -Codoped KLaF ₄ Nanophosphors by Incorporation of Tm ³⁺ Ions for Biological Applications. <i>ACS Omega</i> , 2019, 4, 2275-2282.	1.6	17
93	Molecular relaxation in homeotropically aligned ferroelectric liquid crystals. <i>Physica B: Condensed Matter</i> , 2008, 403, 3316-3319.	1.3	16
94	Wet-chemical synthesis, structural characterization and optical properties of rare-earth doped halo perovskite K ₃ GaF ₆ . <i>Journal of Fluorine Chemistry</i> , 2017, 200, 1-7.	0.9	16
95	Structural and ion transport properties of sodium ion conducting Na ₂ MTeO ₆ (M= MgNi and MgZn) solid electrolytes. <i>Ceramics International</i> , 2020, 46, 663-671.	2.3	16
96	Novel Fluorite Structured Superparamagnetic RbGdF ₄ Nanocrystals as Versatile Upconversion Host. <i>Inorganic Chemistry</i> , 2014, 53, 10257-10265.	1.9	15
97	Oxidation facilitated antimicrobial ability of laser micro-textured titanium alloy against gram-positive <i>Staphylococcus aureus</i> for biomedical applications. <i>Journal of Laser Applications</i> , 2018, 30, .	0.8	15
98	Strong structural phase sensitive rare-earth photoluminescence color flips in KLaF ₄ :RE ³⁺ (RE ³⁺ = Eu ³⁺), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td 4 Er ³⁺	1.5	15
99	Evaluation of phototherapy devices used for neonatal hyperbilirubinemia. <i>Indian Pediatrics</i> , 2011, 48, 689-696.	0.2	14
100	Structural and optical diversity in copper halide-based ferromagnetic inorganic-organic layered hybrids. <i>Journal of Solid State Chemistry</i> , 2019, 273, 219-225.	1.4	14
101	Linear and nonlinear optical probing of various excitons in 2D inorganic-organic hybrid structures. <i>Scientific Reports</i> , 2020, 10, 2615.	1.6	14
102	Effect of Photonic Cavity Interactions on Femtosecond Multiphoton Optical Nonlinear Absorptions from Bi ₂ O ₃ -Based One-Dimensional Photonic Crystal. <i>ACS Photonics</i> , 2022, 9, 2092-2100.	3.2	14
103	Phase evolution and photoluminescence in as-deposited amorphous silicon nitride films. <i>Scripta Materialia</i> , 2010, 63, 605-608.	2.6	13
104	Photoluminescent chromium molybdate cluster coordinated with rare earth cations: synthesis, structure, optical and magnetic properties. <i>CrystEngComm</i> , 2014, 16, 7097-7105.	1.3	13
105	Calcium and Strontium Coordination Polymers Based on Rigid and Flexible Aromatic Dicarboxylates: Synthesis, Structure, Photoluminescence and Dielectric Properties. <i>ChemistrySelect</i> , 2017, 2, 8567-8576.	0.7	13
106	Linear and nonlinear photoluminescence from thermally stable KYF ₄ :Eu ³⁺ cubic nanocrystals. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160893.	2.8	13
107	Unsymmetrically $\hat{\Gamma}^2$ -Functionalized $\hat{\Gamma}^6$ -Extended Porphyrins: Synthesis, Spectral, Electrochemical Redox Properties, and Their Utilization as Efficient Two-Photon Absorbers. <i>Inorganic Chemistry</i> , 2022, 61, 9968-9982.	1.9	13
108	Electro-optic studies in conventional and pure/ethanol mixed de Vries ferroelectric liquid crystals. <i>Liquid Crystals</i> , 2012, 39, 185-190.	0.9	12

#	ARTICLE	IF	CITATIONS
109	Two-step fabrication of R-Pb ₁₋₄ (1-y)Br _{4y} type light emitting inorganic-organic hybrid photonic structures. <i>Optical Materials Express</i> , 2014, 4, 101.	1.6	12
110	Ultrafast Nonlinear Pulse Propagation Dynamics in Metal-Dielectric Periodic Photonic Architectures. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100757.	1.9	12
111	Interferometric Method for Monitoring Electrochemical Etching of Thin Films. <i>Journal of the Electrochemical Society</i> , 2003, 150, C381.	1.3	11
112	Photoconductivity and surface chemical analysis of ZnO thin films deposited by solution-processing techniques for nano and microstructure fabrication. <i>Journal of Semiconductors</i> , 2013, 34, 033001.	2.0	11
113	Fabrication and room-temperature exciton photoluminescence stability studies of inorganic-organic hybrid (C ₁₂ H ₂₅ NH ₃) ₂ SnI ₄ thin films. <i>Solid State Sciences</i> , 2014, 27, 60-64.	1.5	11
114	Investigating resonance energy transfer from protein molecules to van der Waals nanosheets. <i>RSC Advances</i> , 2017, 7, 26250-26255.	1.7	11
115	Growth of few- and multilayer graphene on different substrates using pulsed nanosecond Q-switched Nd:YAG laser. <i>Journal of Materials Science</i> , 2017, 52, 12295-12306.	1.7	11
116	Synthesis, Structural, Linear, and Nonlinear Optical Studies of Inorganic-Organic Hybrid Semiconductors (R-C ₆ H ₄ CHCH ₃ NH ₃) ₂ PbI ₄ , (R = CH ₃ , Cl). <i>ACS Omega</i> , 2019, 4, 19565-19572.	1.6	11
117	Nonlinear optical absorption switching behavior of BaTiO ₃ in asymmetric microcavity. <i>Optical Materials</i> , 2020, 101, 109777.	1.7	11
118	Î ² -Tetracyanobutadiene-Appended Porphyrins: Facile Synthesis, Spectral and Electrochemical Redox Properties, and Their Utilization as Excellent Optical Limiters. <i>Inorganic Chemistry</i> , 2022, 61, 1297-1307.	1.9	11
119	Hydrogen plasma induced modification of photoluminescence from SiN _x :H thin films. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	10
120	Anisotropic behavior of water in ferroelectric liquid crystals. <i>Physical Review E</i> , 2010, 81, 051707.	0.8	9
121	Silicon-Based Inorganic-Organic Hybrid Nanocomposites for Optoelectronic Applications. <i>Energy Technology</i> , 2017, 5, 1795-1799.	1.8	9
122	Magnetism and phase segregation in two-dimensional inorganic-organic (C ₁₂ H ₂₅ NH ₃) ₂ Cu _{1-y} MnyCl ₄ hybrids. <i>Journal of Solid State Chemistry</i> , 2019, 273, 32-36.	1.4	9
123	Photoluminescence Properties of Two Closely Related Isostructural Series Based on Anderson-Evans Cluster Coordinated With Lanthanides [Ln(H ₂ O) ₇ {X(OH) ₆ Mo ₆ O ₁₈ }]·yH ₂ O, X = Al, Cr. <i>Frontiers in Chemistry</i> , 2018, 6, 631.	1.8	9
124	Cavity resonance tunability of porous silicon microcavities by Ar ⁺ ion irradiation. <i>Applied Surface Science</i> , 2021, 535, 147696.	3.1	9
125	Effect of Zinc Fluoride addition on structure of barium Borate glasses for nonlinear optical applications. <i>Optical Materials</i> , 2021, 121, 111626.	1.7	9
126	Rare earth fluorescence in NASICON type phosphate glass, Na ₃ TiZnP ₃ O ₁₂ . <i>Bulletin of Materials Science</i> , 1999, 22, 121-127.	0.8	8

#	ARTICLE	IF	CITATIONS
127	Formation of PbO hexagonal nanosheets and their conversion into luminescent inorganic-organic perovskite nanosheets: growth and mechanism. RSC Advances, 2015, 5, 27946-27952.	1.7	8
128	Study of spinel-type ZnNi _x Co _{2-2x} O ₄ nano-particles, synthesised by thermal decomposition of ternary metal nitrate solutions. Materials Research Bulletin, 2016, 83, 632-639.	2.7	8
129	Ultrafast laser based hybrid methodology of silicon microstructure fabrication for optoelectronic applications. Applied Surface Science, 2017, 420, 63-69.	3.1	8
130	Cavity enhancement in nonlinear absorption and photoluminescence of BaTiO ₃ . Optik, 2020, 207, 163896.	1.4	8
131	Real-time dynamic evolution monitoring of laser-induced exciton phase flips in 2D hybrid semiconductor (C ₁₂ H ₂₅ NH ₃) ₂ PbI ₄ . Journal of Applied Physics, 2020, 128, 023104.	1.1	8
132	Energy Upconversion in Rare-Earth-Doped Tin-Based Double Halo Perovskites, A ₂ SnCl ₆ (A = K, Rb, and Tl) ETQq0 0 0 rgBT /Over	1.0	8
133	Effect of volatile solvent infiltration on optical and electrical characteristics of porous photonic structures. RSC Advances, 2014, 4, 21246.	1.7	7
134	Double Perovskite K ₃ InF ₆ as an Upconversion Phosphor and Its Structural Transformation Through Rubidium Substitution. European Journal of Inorganic Chemistry, 2018, 2018, 4826-4833.	1.0	7
135	Nonlinear optical dispersion and higher-order effects in bulk and wavelength-ordered photonic materials. Optik, 2021, 247, 167944.	1.4	7
136	Synthesis and the spectral, electrochemical, and nonlinear optical properties of β -dicyanovinyl-appended "push-pull" porphyrins. Dalton Transactions, 2022, 51, 9049-9061.	1.6	7
137	Optical property evaluation of thoria doped with heavier rare-earth oxides Ln _{0.5} (Ln =) Tj ETQq1 1 0.784314 rgBT /Over Ceramic Society, 2019, 102, 1832-1842.	1.9	6
138	Study of Surface and Bulk Recombination Kinetics of Two-Dimensional Inorganic-Organic Hybrid Semiconductors under Linear and Nonlinear Femtosecond Transient Absorption Analysis. Journal of Physical Chemistry C, 2021, 125, 12166-12174.	1.5	6
139	Synthesis, structure and optical studies of inorganic-organic hybrid semiconductor, (H ₃ NC ₆ H ₄ CH ₂ NH ₃) ₂ PbI ₄ . Materials Research Bulletin, 2014, 52, 78-81.	2.7	5
140	Swift heavy ion irradiation induced microstructural modification and evolution of photoluminescence from Si rich Si _x N _{4-x} :H. Materials Research Express, 2015, 2, 046204.	0.8	5
141	Laser-induced inter-ion migration and the effect of different long alkylammonium halide functionalization on CH ₃ NH ₃ Pb(BrxI _{1-x}) ₃ colloidal nanoparticles. Applied Surface Science, 2020, 526, 146789.	3.1	5
142	Facile growth and re-crystallization of polymer-based inorganic-organic 2D hybrid composites and their applications. Journal of Alloys and Compounds, 2020, 829, 154550.	2.8	5
143	Impact of thermal annealing on interfacial layer and electrical properties of a-SiN _x :H/Si. Europhysics Letters, 2010, 90, 26002.	0.7	4
144	Strong-Coupling in Inorganic-Organic Hybrid Embedded Single and Coupled Metallic Microcavities. Journal of Nanoscience and Nanotechnology, 2011, 11, 10715-10719.	0.9	4

#	ARTICLE	IF	CITATIONS
145	Structural phase transitions and thermal stability in Cu-based 2D inorganic-organic hybrid perovskite systems. AIP Conference Proceedings, 2019, , .	0.3	4
146	Isostructural series of $[Al(H_2O)_6]\{Ln(pda)_3\} \cdot 10H_2O$: Synthesis, structure and photoluminescence. Inorganica Chimica Acta, 2019, 487, 81-91.	1.2	4
147	Structure-Dependent (Non)Linear Optical Excitons in Primary Cyclic Ammonium ($C_nH_{2n+1}NH_2$; $n =$) Tj ETQq1 1 0.784314 rgBT /OV 6821-6831.	1.5	4
148	Thermo-physical modeling and experimental validation of core-shell nanoparticle fabrication of nickel-titanium (nitinol) alloy. Optics and Laser Technology, 2021, 138, 106880.	2.2	4
149	Tuning the optical properties of porous silicon-based microcavities by energetic oxygen ion beams for optoelectronic applications. Materials Letters, 2022, 306, 130914.	1.3	4
150	Optical and structural characterization of rapid thermal annealed non-stoichiometric silicon nitride film. Journal of Physics Condensed Matter, 2008, 20, 335232.	0.7	3
151	Growth and Tailoring of Physical Properties of Si Quantum Dots in a-SiNx:H Matrix. Energy Procedia, 2013, 41, 50-56.	1.8	3
152	Resonance Raman scattering and ab initio calculation of electron energy loss spectra of MoS ₂ nanosheets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 4057-4061.	0.9	3
153	$KLa_{(0.95-x)}Gd_xF_4:Eu^{3+}$ hexagonal phase nanoparticles as luminescent probes for <i>in vitro</i> Huh-7 cancer cell imaging. Dalton Transactions, 2021, 50, 5197-5207.	1.6	3
154	Template assisted growth of microporous structures of CdSe _x Te _{1-x} and thin film photocurrent studies. Materials Research Express, 2014, 1, 035037.	0.8	2
155	Narrow band photocurrent response from partially phase separated a-SiNx:H thin films. Journal of Applied Physics, 2014, 116, 113501.	1.1	2
156	Arrangement of chromonic liquid crystals near hydrophobic and hydrophilic surfaces. Journal of Molecular Liquids, 2016, 224, 1220-1226.	2.3	2
157	Angle dependent localized surface plasmon resonance from near surface implanted silver nanoparticles in SiO ₂ thin film. Journal of Applied Physics, 2018, 124, 063107.	1.1	2
158	Magnetic phase transition in layered inorganic-organic hybrid (C ₁₂ H ₂₅ NH ₃) ₂ CuCl ₄ . AIP Conference Proceedings, 2018, , .	0.3	2
159	Alternative fabrication methodologies for two-dimensional self-assembled Inorganic-Organic hybrid semiconductors. Optical Materials, 2020, 110, 110511.	1.7	2
160	Linear and nonlinear excitation induced ultrafast absorption dynamics in laser ablated and chemically synthesized gold nanoparticle colloids. Optical Materials, 2021, 117, 111206.	1.7	2
161	Ultrafast Nonlinear Absorption and Pulse Propagation Dynamics in Metal-Dielectric Photonic Structure. , 2021, , .		2
162	Femtosecond optical nonlinearities and ultrafast absorption dynamics of colloidal 2D organometal halide ((C ₁₂ H ₂₅ NH ₃) ₂ PbI ₄) nanoparticles and thin films. Optical Materials, 2022, 124, 111969.	1.7	2

#	ARTICLE	IF	CITATIONS
163	Photonic cavity mode tuning in porous silicon-based microcavities by He ⁺ and H ⁺ ion irradiation. Journal of Applied Physics, 2022, 131, .	1.1	2
164	Ultrafast pulse propagation and spectral broadening in metal-dielectric 1D photonic crystal. Optical Materials, 2022, 131, 112688.	1.7	2
165	Experimental investigation of redistributed photon DOS in hybrid metal-dielectric photonic crystals. , 2013, , .		1
166	Saturation and reverse saturation of nonlinear absorption in laser ablated gold nanoparticles. Materials Today: Proceedings, 2021, , .	0.9	1
167	Tunable characteristics of porous silicon optical microcavities by energetic N ion beams interactions. Journal Physics D: Applied Physics, 0, , .	1.3	1
168	Nonlinear optical properties of plasma enhanced chemical vapour deposition grown silicon nanocrystals. Materials Research Society Symposia Proceedings, 2002, 722, 831.	0.1	0
169	Room temperature excitons in hybrid organic-inorganic multiple quantum wells for strong coupling experiments. , 2008, , .		0
170	Strong exciton-photon coupling in layered perovskites embedded low-Q microcavity. , 2010, , .		0
171	Optical and structural features of silicon-rich a-SiN _x :H thin films. , 2010, , .		0
172	Switchable Strong-Coupling Microcavities of Inorganic-Organic Perovskite Natural Quantum Wells. , 2010, , .		0
173	Optical and Structural Features of Silicon-Rich Hydrogenated Amorphous Silicon Nitride Thin Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 10733-10736.	0.9	0
174	Fabrication of excitonic luminescent inorganic-organic hybrid nano and microcrystals. , 2012, , .		0
175	Two-dimensional inorganic-organic perovskite hexagonal nanosheets: growth and mechanism. Proceedings of SPIE, 2015, , .	0.8	0
176	Linear and nonlinear optical excitons in primary cyclic ammonium based inorganic-organic hybrid semiconductor series. Materials Today: Proceedings, 2021, , .	0.9	0
177	Template assisted growth of CdSexTe1-x photonic structures. , 2012, , .		0
178	Fabrication of Anti-reflective Microstructured Silicon Surfaces Using Nanosecond Fiber Laser Texturing. , 2017, , .		0
179	Femtosecond optical nonlinearities and Ultrafast dynamics in Metal-dielectric photonic structure. , 2022, , .		0