

# Gaddam Vijaya Prakash

## List of Publications by Year in descending order

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179  
papers

5,027  
citations

61857

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61  
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182  
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182  
docs citations

182  
times ranked

4583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the optical properties of porous silicon-based microcavities by energetic oxygen ion beams for optoelectronic applications. <i>Materials Letters</i> , 2022, 306, 130914.	1.3	4
2	Photoluminescence down-shifting studies of thermally stable Eu <sup>3+</sup> ions doped borosilicate glasses for visible red photonic device applications. <i>Journal of Non-Crystalline Solids</i> , 2022, 575, 121184.	1.5	18
3	Femtosecond optical nonlinearities and ultrafast absorption dynamics of colloidal 2D organometal halide ((C <sub>12</sub> H <sub>25</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> ) nanoparticles and thin films. <i>Optical Materials</i> , 2022, 124, 111969.	1.7	2
4	Î <sup>2</sup> -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
5	Femtosecond optical nonlinearities and Ultrafast dynamics in Metal-dielectric photonic structure. , 2022, , .		0
6	Synthesis and the spectral, electrochemical, and nonlinear optical properties of Î <sup>2</sup> -dicyanovinyl-appended "push"pull" porphyrins. <i>Dalton Transactions</i> , 2022, 51, 9049-9061.	1.6	7
7	Effect of Photonic Cavity Interactions on Femtosecond Multiphoton Optical Nonlinear Absorptions from Bi <sub>2</sub> O <sub>3</sub> -Based One-Dimensional Photonic Crystal. <i>ACS Photonics</i> , 2022, 9, 2092-2100.	3.2	14
8	Photonic cavity mode tuning in porous silicon-based microcavities by He <sup>+</sup> and H <sup>+</sup> ion irradiation. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	2
9	Unsymmetrically Î <sup>2</sup> -Functionalized Î <sup>6</sup> -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
10	Ultrafast pulse propagation and spectral broadening in metal-dielectric 1D photonic crystal. <i>Optical Materials</i> , 2022, 131, 112688.	1.7	2
11	Cavity resonance tunability of porous silicon microcavities by Ar <sup>+</sup> ion irradiation. <i>Applied Surface Science</i> , 2021, 535, 147696.	3.1	9
12	KLa <sub>(0.95-x)</sub> Gd <sub>x</sub> F <sub>4</sub> :Eu <sup>3+</sup> hexagonal phase nanoparticles as luminescent probes for <i>in vitro</i> Huh-7 cancer cell imaging. <i>Dalton Transactions</i> , 2021, 50, 5197-5207.	1.6	3
13	Strong two-photon absorption and ultrafast dynamics of <i>meso</i> -functionalized "push"pull"-A <sub>2</sub> BC porphyrins. <i>Dalton Transactions</i> , 2021, 50, 6256-6272.	1.6	18
14	Structure-Dependent (Non)Linear Optical Excitons in Primary Cyclic Ammonium (C <sub>n</sub> H <sub>2n</sub> NH <sub>2</sub> ; n =) Tj ETQq0 0 0 rgBT /Overlock 10 T 6821-6831.	1.5	4
15	Photonic Cavity-Mediated Tunable Ultrafast Absorption Dynamics in BaTiO <sub>3</sub> -Based One-Dimensional Photonic Crystal. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1904-1911.	2.0	19
16	Study of Surface and Bulk Recombination Kinetics of Two-Dimensional Inorganic"Organic Hybrid Semiconductors under Linear and Nonlinear Femtosecond Transient Absorption Analysis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12166-12174.	1.5	6
17	Thermo-physical modeling and experimental validation of core-shell nanoparticle fabrication of nickel-titanium (nitinol) alloy. <i>Optics and Laser Technology</i> , 2021, 138, 106880.	2.2	4
18	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

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19	Linear and nonlinear optical excitons in primary cyclic ammonium based inorganic-organic hybrid semiconductor series. Materials Today: Proceedings, 2021, , .	0.9	0
20	Saturation and reverse saturation of nonlinear absorption in laser ablated gold nanoparticles. Materials Today: Proceedings, 2021, , .	0.9	1
21	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
22	Ultrafast Nonlinear Pulse Propagation Dynamics in Metal-Dielectric Periodic Photonic Architectures. Advanced Materials Interfaces, 2021, 8, 2100757.	1.9	12
23	Effect of Zinc Fluoride addition on structure of barium Borate glasses for nonlinear optical applications. Optical Materials, 2021, 121, 111626.	1.7	9
24	Nonlinear optical dispersion and higher-order effects in bulk and wavelength-ordered photonic materials. Optik, 2021, 247, 167944.	1.4	7
25	Linear and nonlinear photoluminescence from thermally stable KYF <sub>4</sub> :Eu <sup>3+</sup> cubic nanocrystals. Journal of Alloys and Compounds, 2021, 885, 160893.	2.8	13
26	Ultrafast Nonlinear Absorption and Pulse Propagation Dynamics in Metal-Dielectric Photonic Structure. , 2021, , .		2
27	Structural and ion transport properties of sodium ion conducting Na <sub>2</sub> MTeO <sub>6</sub> (M= MgNi and MgZn) solid electrolytes. Ceramics International, 2020, 46, 663-671.	2.3	16
28	A study on up-conversion and energy transfer kinetics of KGdF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanophosphors. Journal of Molecular Structure, 2020, 1205, 127647.	1.8	26
29	Cavity enhancement in nonlinear absorption and photoluminescence of BaTiO <sub>3</sub> . Optik, 2020, 207, 163896.	1.4	8
30	Alternative fabrication methodologies for two-dimensional self-assembled Inorganic-Organic hybrid semiconductors. Optical Materials, 2020, 110, 110511.	1.7	2
31	Real-time dynamic evolution monitoring of laser-induced exciton phase flips in 2D hybrid semiconductor (C <sub>12</sub> H <sub>25</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> . Journal of Applied Physics, 2020, 128, 023104.	1.1	8
32	Energy Upconversion in Rare-Earth-Doped Tin-Based Double Halo Perovskites, A <sub>2</sub> SnCl <sub>6</sub> (A = K, Rb, and Tl) Embedded in Organic Polymer Matrix. Applied Surface Science, 2020, 500, 144111.	1.0	8
33	Giant Optical Nonlinearities of Photonic Minibands in Metal-Dielectric Multilayers. Advanced Materials Interfaces, 2020, 7, 2000035.	1.9	27
34	Laser-induced inter-ion migration and the effect of different long alkylammonium halide functionalization on CH <sub>3</sub> NH <sub>3</sub> Pb(BrxI <sub>1-x</sub> ) <sub>3</sub> colloidal nanoparticles. Applied Surface Science, 2020, 526, 146789.	3.1	5
35	Nonlinear optical absorption switching behavior of BaTiO <sub>3</sub> in asymmetric microcavity. Optical Materials, 2020, 101, 109777.	1.7	11
36	Strong structural phase sensitive rare-earth photoluminescence color flips in KLaF <sub>4</sub> :RE <sup>3+</sup> (RE <sup>3+</sup> = Eu <sup>3+</sup> , Tb <sup>3+</sup> , Dy <sup>3+</sup> , Ho <sup>3+</sup> , Er <sup>3+</sup> , Yb <sup>3+</sup> ) nanoparticles. Journal of Applied Physics, 2020, 123, 023104.	1.5	3

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37	Facile growth and re-crystallization of polymer-based inorganic-organic 2D hybrid composites and their applications. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154550.	2.8	5
38	Linear and nonlinear optical probing of various excitons in 2D inorganic-organic hybrid structures. <i>Scientific Reports</i> , 2020, 10, 2615.	1.6	14
39	Optical property evaluation of thoria doped with heavier rare earth oxides $\text{LnO}_{1.5}$ ( $\text{Ln} = \text{Tj, ET, Qq, 1}$ ). <i>Ceramic Society</i> , 2019, 102, 1832-1842.	1.9	6
40	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
41	Structural phase transitions and thermal stability in Cu-based 2D inorganic-organic hybrid perovskite systems. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
42	Color-Tunable Upconversion in $\text{Er}^{3+}/\text{Yb}^{3+}$ -Codoped $\text{KLaF}_4$ Nanophosphors by Incorporation of $\text{Tm}^{3+}$ Ions for Biological Applications. <i>ACS Omega</i> , 2019, 4, 2275-2282.	1.6	17
43	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
44	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
45	Magnetism and phase segregation in two-dimensional inorganic-organic $(\text{C}_{12}\text{H}_{25}\text{NH}_3)_2\text{Cu}_1\text{yMnyCl}_4$ hybrids. <i>Journal of Solid State Chemistry</i> , 2019, 273, 32-36.	1.4	9
46	Synthesis, Structural, Linear, and Nonlinear Optical Studies of Inorganic-Organic Hybrid Semiconductors $(\text{C}_6\text{H}_4\text{CHCH}_3)_2\text{PbI}_4$ , ( $\text{R} = \text{CH}_3, \text{Cl}$ ). <i>ACS Omega</i> , 2019, 4, 19565-19572.	1.6	11
47	Structural, absorption and photoluminescence studies of $\text{Sm}^{3+}$ ions doped barium lead alumino fluoro borate glasses for optoelectronic device applications. <i>Materials Research Bulletin</i> , 2019, 110, 159-168.	2.7	76
48	Isostructural series of $[\{\text{Al}(\text{H}_2\text{O})_6\}\{\text{Ln}(\text{pda})_3\}]\cdot 10\text{H}_2\text{O}$ : Synthesis, structure and photoluminescence. <i>Inorganica Chimica Acta</i> , 2019, 487, 81-91.	1.2	4
49	Photoluminescence investigations on $\text{Sm}^{3+}$ ions doped borate glasses for tricolor w-LEDs and lasers. <i>Materials Research Bulletin</i> , 2018, 100, 206-212.	2.7	73
50	Structural, optical absorption and photoluminescence spectral studies of $\text{Sm}^{3+}$ ions in Alkaline-Earth Boro Tellurite glasses. <i>Optical Materials</i> , 2018, 79, 21-32.	1.7	27
51	$\text{Pr}^{3+}$ 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
52	Spectroscopic study of $\text{Pr}^{3+}$ ions doped Zinc Lead Tungsten Tellurite glasses for visible photonic device applications. <i>Optical Materials</i> , 2018, 78, 457-464.	1.7	21
53	Spectroscopic investigations of $\text{Nd}^{3+}$ doped Lithium Lead Alumino Borate glasses for 1.06 $\mu\text{m}$ laser applications. <i>Optical Materials</i> , 2018, 75, 127-134.	1.7	70
54	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

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55	Double Perovskite K <sub>3</sub> InF <sub>6</sub> as an Upconversion Phosphor and Its Structural Transformation Through Rubidium Substitution. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4826-4833.	1.0	7
56	Investigation on structural and luminescence features of Dy <sup>3+</sup> ions doped alkaline-earth boro tellurite glasses for optoelectronic devices. <i>Optical Materials</i> , 2018, 85, 200-210.	1.7	48
57	Angle dependent localized surface plasmon resonance from near surface implanted silver nanoparticles in SiO <sub>2</sub> thin film. <i>Journal of Applied Physics</i> , 2018, 124, 063107.	1.1	2
58	Ionic conduction and dielectric properties of yttrium doped LiZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> obtained by a Pechini-type polymerizable complex route. <i>Ceramics International</i> , 2018, 44, 15509-15516.	2.3	17
59	Morphological and luminescence studies on KGdF <sub>4</sub> :Yb <sup>3+</sup> /Tb <sup>3+</sup> up-conversion nanophosphors. <i>Materials Chemistry and Physics</i> , 2018, 219, 13-21.	2.0	22
60	Magnetic phase transition in layered inorganic-organic hybrid (C <sub>12</sub> H <sub>25</sub> NH <sub>3</sub> ) <sub>2</sub> CuCl <sub>4</sub> . <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
61	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
62	Photoluminescence Properties of Two Closely Related Isostructural Series Based on Anderson-Evans Cluster Coordinated With Lanthanides [Ln(H <sub>2</sub> O) <sub>7</sub> {X(OH) <sub>6</sub> Mo <sub>6</sub> O <sub>18</sub> }]·nH <sub>2</sub> O, X = Al, Cr. <i>Frontiers in Chemistry</i> , 2018, 6, 631.	1.8	9
63	Spectroscopic studies of Pr <sup>3+</sup> doped lithium lead alumino borate glasses for visible reddish orange luminescent device applications. <i>Journal of Alloys and Compounds</i> , 2017, 708, 911-921.	2.8	99
64	Ultrafast laser based hybrid methodology of silicon microstructure fabrication for optoelectronic applications. <i>Applied Surface Science</i> , 2017, 420, 63-69.	3.1	8
65	Wet-chemical synthesis, structural characterization and optical properties of rare-earth doped halo perovskite K <sub>3</sub> GaF <sub>6</sub> . <i>Journal of Fluorine Chemistry</i> , 2017, 200, 1-7.	0.9	16
66	Investigating resonance energy transfer from protein molecules to van der Waals nanosheets. <i>RSC Advances</i> , 2017, 7, 26250-26255.	1.7	11
67	Efficient Surface Enhanced Raman Scattering substrates from femtosecond laser based fabrication. <i>Optical Materials</i> , 2017, 72, 86-90.	1.7	24
68	Compositional dependence of red luminescence from Eu <sup>3+</sup> ions doped single and mixed alkali fluoro tungsten tellurite glasses. <i>Optical Materials</i> , 2017, 73, 260-267.	1.7	27
69	Pseudocapacitance of Mesoporous Spinel-Type MCo <sub>2</sub> O <sub>4</sub> (M = Co, Zn, and Ni) Rods Fabricated by a Facile Solvothermal Route. <i>ACS Omega</i> , 2017, 2, 6003-6013.	1.6	79
70	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
71	Silicon-Based Inorganic-Organic Hybrid Nanocomposites for Optoelectronic Applications. <i>Energy Technology</i> , 2017, 5, 1795-1799.	1.8	9
72	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

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73	Fabrication of Anti-reflective Microstructured Silicon Surfaces Using Nanosecond Fiber Laser Texturing. , 2017, , .		0
74	Resonance Raman scattering and ab initio calculation of electron energy loss spectra of MoS <sub>2</sub> nanosheets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 4057-4061.	0.9	3
75	Dy <sup>3+</sup> ions doped single and mixed alkali fluoro tungsten tellurite glasses for LASER and white LED applications. Optical Materials, 2016, 62, 569-577.	1.7	65
76	Laser-induced microstructuring of two-dimensional layered inorganic-organic perovskites. Physical Chemistry Chemical Physics, 2016, 18, 9666-9672.	1.3	35
77	Arrangement of chromonic liquid crystals near hydrophobic and hydrophilic surfaces. Journal of Molecular Liquids, 2016, 224, 1220-1226.	2.3	2
78	Study of spinel-type ZnNi <sub>x</sub> Co <sub>2-2x</sub> O <sub>4</sub> nano-particles, synthesised by thermal decomposition of ternary metal nitrate solutions. Materials Research Bulletin, 2016, 83, 632-639.	2.7	8
79	Luminescence spectral studies of Tm <sup>3+</sup> ions doped Lead Tungsten Tellurite glasses for visible Red and NIR applications. Journal of Luminescence, 2016, 175, 225-231.	1.5	19
80	Image excitons and plasmon-exciton strong coupling in two-dimensional perovskite semiconductors. Physical Review B, 2015, 91, .	1.1	27
81	Visible, Up-conversion and NIR (~1.5 $\mu$ m) luminescence studies of Er <sup>3+</sup> doped Zinc Alumino Bismuth Borate glasses. Journal of Luminescence, 2015, 163, 55-63.	1.5	55
82	Swift heavy ion irradiation induced microstructural modification and evolution of photoluminescence from Si rich SiN <sub>x</sub> :H. Materials Research Express, 2015, 2, 046204.	0.8	5
83	Functional properties of ZnCo <sub>2</sub> O <sub>4</sub> nano-particles obtained by thermal decomposition of a solution of binary metal nitrates. RSC Advances, 2015, 5, 26843-26849.	1.7	46
84	Two-dimensional inorganic-organic perovskite hexagonal nanosheets: growth and mechanism. Proceedings of SPIE, 2015, , .	0.8	0
85	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
86	Holmium doped Lead Tungsten Tellurite glasses for green luminescent applications. Journal of Luminescence, 2015, 163, 64-71.	1.5	57
87	Strong Photocurrent from Two-Dimensional Excitons in Solution-Processed Stacked Perovskite Semiconductor Sheets. ACS Applied Materials & Interfaces, 2015, 7, 25227-25236.	4.0	93
88	Spectroscopic studies of Nd <sup>3+</sup> doped lead tungsten tellurite glasses for the NIR emission at 1062nm. Optical Materials, 2015, 39, 8-15.	1.7	53
89	Template assisted growth of microporous structures of CdSe <sub>x</sub> Te <sub>1-x</sub> and thin film photocurrent studies. Materials Research Express, 2014, 1, 035037.	0.8	2
90	Exfoliation of self-assembled 2D organic-inorganic perovskite semiconductors. Applied Physics Letters, 2014, 104, .	1.5	126

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91	Narrow band photocurrent response from partially phase separated a-SiNx:H thin films. Journal of Applied Physics, 2014, 116, 113501.	1.1	2
92	Optical studies of Sm <sup>3+</sup> ions doped Zinc Alumino Bismuth Borate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 53-60.	2.0	122
93	Tunable visible upconversion emission in Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped KCaBO <sub>3</sub> phosphors by introducing Ho <sup>3+</sup> ions. Materials Letters, 2014, 120, 232-235.	1.3	24
94	Lasing potentialities and white light generation capabilities of Dy <sup>3+</sup> doped oxy-fluoroborate glasses. Journal of Luminescence, 2014, 153, 382-392.	1.5	99
95	Strong room-temperature ultraviolet to red excitons from inorganic organic-layered perovskites, (R-NH <sub>3</sub> ) <sub>2</sub> MX <sub>4</sub> (M=Pb <sup>2+</sup> , Sn <sup>2+</sup> , Hg <sup>2+</sup> ; X=I <sup>-</sup> , Br <sup>-</sup> ). Journal of Nanophotonics, 2014, 8, 083892.	0.4	23
96	Hydrogen plasma induced modification of photoluminescence from a-SiNx:H thin films. Journal of Applied Physics, 2014, 115, .	1.1	10
97	Tb <sup>3+</sup> doped Zinc Alumino Bismuth Borate glasses for green emitting luminescent devices. Journal of Luminescence, 2014, 156, 180-187.	1.5	50
98	Luminescence characterization of Eu <sup>3+</sup> doped Zinc Alumino Bismuth Borate glasses for visible red emission applications. Journal of Luminescence, 2014, 156, 80-86.	1.5	124
99	Effect of volatile solvent infiltration on optical and electrical characteristics of porous photonic structures. RSC Advances, 2014, 4, 21246.	1.7	7
100	Photoluminescent chromium molybdate cluster coordinated with rare earth cations: synthesis, structure, optical and magnetic properties. CrystEngComm, 2014, 16, 7097-7105.	1.3	13
101	Direct deposition strategy for highly ordered inorganic organic perovskite thin films and their optoelectronic applications. Optical Materials Express, 2014, 4, 1313.	1.6	44
102	Novel Fluorite Structured Superparamagnetic RbGdF <sub>4</sub> Nanocrystals as Versatile Upconversion Host. Inorganic Chemistry, 2014, 53, 10257-10265.	1.9	15
103	Fabrication and room-temperature exciton photoluminescence stability studies of inorganic-organic hybrid (C <sub>12</sub> H <sub>25</sub> NH <sub>3</sub> ) <sub>2</sub> SnI <sub>4</sub> thin films. Solid State Sciences, 2014, 27, 60-64.	1.5	11
104	Synthesis, structure and optical studies of inorganic-organic hybrid semiconductor, (H <sub>3</sub> NC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> . Materials Research Bulletin, 2014, 52, 78-81.	2.7	5
105	Spectral characterisation of Sm <sup>3+</sup> ions doped Oxy-fluoroborate glasses for visible orange luminescent applications. Journal of Luminescence, 2014, 154, 410-424.	1.5	121
106	Two-step fabrication of R-PbI <sub>3</sub> (1-y)Br <sub>3</sub> y type light emitting inorganic-organic hybrid photonic structures. Optical Materials Express, 2014, 4, 101.	1.6	12
107	In Situ Intercalation Dynamics in Inorganic-Organic Layered Perovskite Thin Films. ACS Applied Materials & Interfaces, 2014, 6, 10238-10247.	4.0	98
108	Optical properties of Tb <sup>3+</sup> doped KLaF <sub>4</sub> in cubic and hexagonal symmetries. Optical Materials, 2013, 36, 396-401.	1.7	23

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109	Growth and Tailoring of Physical Properties of Si Quantum Dots in a-SiNx:H Matrix. Energy Procedia, 2013, 41, 50-56.	1.8	3
110	Visible red, NIR and Mid-IR emission studies of Ho <sup>3+</sup> doped Zinc Alumino Bismuth Borate glasses. Optical Materials, 2013, 36, 362-371.	1.7	71
111	Raman scattering enhancement in photon-plasmon resonance mediated metal-dielectric microcavity. Journal of Applied Physics, 2013, 114, .	1.1	19
112	Photoconductivity and surface chemical analysis of ZnO thin films deposited by solution-processing techniques for nano and microstructure fabrication. Journal of Semiconductors, 2013, 34, 033001.	2.0	11
113	Synthesis, structural, thermal and optical studies of inorganic-organic hybrid semiconductors, R-PbI <sub>4</sub> . Journal of Applied Physics, 2013, 113, .	1.1	59
114	Direct deposition of inorganic-organic hybrid semiconductors and their template-assisted microstructures. Materials Chemistry and Physics, 2013, 137, 941-946.	2.0	21
115	Experimental investigation of redistributed photon DOS in hybrid metal-dielectric photonic crystals. , 2013, , .		1
116	KCa <sub>4</sub> (BO <sub>3</sub> ) <sub>3</sub> :Ln <sup>3+</sup> (Ln = Dy, Eu, Tb) phosphors for near UV excited white-light-emitting diodes. AIP Advances, 2013, 3, .	0.6	53
117	Structural tunability and switchable exciton emission in inorganic-organic hybrids with mixed halides. Journal of Applied Physics, 2013, 114, 233511.	1.1	45
118	Naturally Self-Assembled Nanosystems and Their Templated Structures for Photonic Applications. Journal of Nanoparticles, 2013, 2013, 1-13.	1.4	26
119	Fabrication of excitonic luminescent inorganic-organic hybrid nano and microcrystals. , 2012, , .		0
120	Hexagonally Ordered KLaF <sub>4</sub> Host: Phase-Controlled Synthesis and Luminescence Studies. Inorganic Chemistry, 2012, 51, 12748-12754.	1.9	46
121	Influence of the annealing temperatures on the photoluminescence of KCaBO <sub>3</sub> :Eu <sup>3+</sup> phosphor. RSC Advances, 2012, 2, 8768.	1.7	61
122	Er <sup>3+</sup> -doped phosphate glasses with improved gain characteristics for broadband optical amplifiers. Optics Communications, 2012, 285, 5364-5367.	1.0	35
123	Fabrication of excitonic luminescent inorganic-organic hybrid nano- and microcrystals. Scripta Materialia, 2012, 67, 834-837.	2.6	54
124	Excitation dependent photoluminescence study of Si-rich a-SiNx:H thin films. Journal of Applied Physics, 2012, 112, .	1.1	20
125	Temperature-induced exciton switching in long alkyl chain based inorganic-organic hybrids. Journal of Applied Physics, 2012, 111, .	1.1	19
126	Near white light emission from K <sup>+</sup> ion compensated CaSO <sub>4</sub> :Dy <sup>3+</sup> ,Eu <sup>3+</sup> phosphors. Ceramics International, 2012, 38, 5769-5773.	2.3	32



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127	Electro-optic studies in conventional and pure/ethanol mixed de Vries ferroelectric liquid crystals. Liquid Crystals, 2012, 39, 185-190.	0.9	12
128	Ion beam induced dissolution and precipitation of in situ formed Si-nanostructures in a-SiN <sub>x</sub> :H matrix. Nuclear Instruments & Methods in Physics Research B, 2012, 276, 51-55.	0.6	18
129	Template assisted growth of CdSexTe1-x photonic structures. , 2012, , .		0
130	Optical properties of highly Er <sup>3+</sup> -doped sodiumâ€“aluminiumâ€“phosphate glasses for broadband 1.5Î¼m emission. Journal of Alloys and Compounds, 2011, 509, 4047-4052.	2.8	103
131	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
132	Optical properties of Dy <sup>3+</sup> -doped sodiumâ€“aluminumâ€“phosphate glasses. Journal of Materials Science, 2011, 46, 2018-2023.	1.7	113
133	Controllable white light emission from Dy <sup>3+</sup> +Eu <sup>3+</sup> co-doped KCaBO <sub>3</sub> phosphor. Journal of Materials Science, 2011, 46, 7770-7775.	1.7	77
134	Evaluation of phototherapy devices used for neonatal hyperbilirubinemia. Indian Pediatrics, 2011, 48, 689-696.	0.2	14
135	Strong green upconversion emission from Er <sup>3+</sup> +Yb <sup>3+</sup> co-doped KCaBO <sub>3</sub> phosphor. Chemical Physics Letters, 2011, 504, 206-210.	1.2	57
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