

# Dae-Ho Yoon

## List of Publications by Year in descending order

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236  
papers

5,502  
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101384

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110170

64  
g-index

239  
all docs

239  
docs citations

239  
times ranked

8136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible glucose sensor using CVD-grown graphene-based field effect transistor. Biosensors and Bioelectronics, 2012, 37, 82-87.	5.3	247
2	Tailoring of Deep-Red Luminescence in $\text{Ca}_2\text{SiO}_4\text{:Eu}^{2+}$ . Angewandte Chemie - International Edition, 2014, 53, 7756-7759.	7.2	202
3	Comparative evaluation of magnetite-graphene oxide and magnetite-reduced graphene oxide composite for As(III) and As(V) removal. Journal of Hazardous Materials, 2016, 304, 196-204.	6.5	202
4	Crystal growth of dislocation-free $\text{LiNbO}_3$ single crystals by micro pulling down method. Journal of Crystal Growth, 1994, 142, 339-343.	0.7	181
5	Reduced Graphene Oxide/Mesoporous $\text{TiO}_2$ Nanocomposite Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 23521-23526.	4.0	180
6	Unoxidized Graphene/Alumina Nanocomposite: Fracture- and Wear-Resistance Effects of Graphene on Alumina Matrix. Scientific Reports, 2014, 4, 5176.	1.6	167
7	In-Situ Formed Type I Nanocrystalline Perovskite Film for Highly Efficient Light-Emitting Diode. ACS Nano, 2017, 11, 3311-3319.	7.3	161
8	Flexible Thermochromic Window Based on Hybridized $\text{VO}_2$ /Graphene. ACS Nano, 2013, 7, 5769-5776.	7.3	154
9	Facile Synthesis of Hierarchically Structured $\text{Bi}_2\text{S}_3/\text{Bi}_2\text{WO}_6$ Photocatalysts for Highly Efficient Reduction of Cr(VI). ACS Sustainable Chemistry and Engineering, 2015, 3, 2847-2855.	3.2	146
10	Mesoporous Ni-Fe oxide multi-composite hollow nanocages for efficient electrocatalytic water oxidation reactions. Journal of Materials Chemistry A, 2017, 5, 4320-4324.	5.2	108
11	In-situ formation of MOF derived mesoporous $\text{Co}_3\text{N}$ /amorphous N-doped carbon nanocubes as an efficient electrocatalytic oxygen evolution reaction. Nano Research, 2019, 12, 1605-1611.	5.8	108
12	Enhanced thermal conductivity of polymer composites via hybrid fillers of anisotropic aluminum nitride whiskers and isotropic spheres. Composites Part B: Engineering, 2017, 114, 237-246.	5.9	95
13	Enrichment of Pyrrolic Nitrogen by Hole Defects in Nitrogen and Sulfur Co-Doped Graphene Hydrogel for Flexible Supercapacitors. ChemSusChem, 2016, 9, 2261-2268.	3.6	93
14	Sensory Adaptation and Neuromorphic Phototransistors Based on $\text{CsPb}(\text{Br}_x\text{I}_{3-x})_3$ Perovskite and $\text{MoS}_2$ Hybrid Structure. ACS Nano, 2020, 14, 9796-9806.	7.3	88
15	High power laser-driven ceramic phosphor plate for outstanding efficient white light conversion in application of automotive lighting. Scientific Reports, 2016, 6, 31206.	1.6	87
16	Design of laser-driven high-efficiency $\text{Al}_2\text{O}_3/\text{YAG}:\text{Ce}^{3+}$ ceramic converter for automotive lighting: Fabrication, luminous emittance, and tunable color space. Dyes and Pigments, 2017, 139, 688-692.	2.0	86
17	Characterization of blue $\text{CoAl}_2\text{O}_4$ nano-pigment synthesized by ultrasonic hydrothermal method. Ceramics International, 2012, 38, 5707-5712.	2.3	77
18	Growth and Characterization of $\text{K}_3\text{Li}_2\text{-xNb}_{5+x}\text{O}_{15+2x}$ Micro Single Crystals Formed by the $\mu$ -Pulling Down Method for Blue SHG Applications. Japanese Journal of Applied Physics, 1994, 33, 3510-3513.	0.8	72

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19	On the crystal structure and luminescence characteristics of a novel deep red emitting SrLaScO <sub>4</sub> :Mn <sup>4+</sup> . Dyes and Pigments, 2018, 152, 127-130.	2.0	69
20	Large-Scale Graphene Micropatterns via Self-Assembly-Mediated Process for Flexible Device Application. Nano Letters, 2012, 12, 743-748.	4.5	68
21	Citric acid mediated green synthesis of copper nanoparticles using cinnamon bark extract and its multifaceted applications. Journal of Cleaner Production, 2021, 292, 125974.	4.6	67
22	Synergistically Active NiCo <sub>2</sub> S <sub>4</sub> Nanoparticles Coupled with Holey Defect Graphene Hydrogel for High-Performance Solid-State Supercapacitors. Chemistry - A European Journal, 2018, 24, 3263-3270.	1.7	66
23	Characterization of LiNbO <sub>3</sub> micro single crystals grown by the micro-pulling-down method. Journal of Crystal Growth, 1994, 144, 201-206.	0.7	65
24	Long-term stable stacked CsPbBr <sub>3</sub> quantum dot films for highly efficient white light generation in LEDs. Nanoscale, 2016, 8, 19523-19526.	2.8	65
25	Corrosion protection of CrN/TiN multi-coating for bipolar plate of polymer electrolyte membrane fuel cell. Thin Solid Films, 2011, 519, 6787-6791.	0.8	62
26	Chemically Stabilized and Functionalized 2D MXene with Deep Eutectic Solvents as Versatile Dispersion Medium. Advanced Functional Materials, 2021, 31, 2008722.	7.8	60
27	Fabrication and gas sensing properties of $\lambda$ -Fe <sub>2</sub> O <sub>3</sub> thin film prepared by plasma enhanced chemical vapor deposition (PECVD). Sensors and Actuators B: Chemical, 2001, 77, 221-227.	4.0	50
28	Enhanced luminous efficiency of deep red emitting K <sub>2</sub> SiF <sub>6</sub> :Mn <sup>4+</sup> phosphor dependent on KF ratio for warm-white LED. Materials Letters, 2015, 141, 27-30.	1.3	50
29	Catalyst-free synthesis of ZnO nanowall networks on Si <sub>3</sub> N <sub>4</sub> -Si substrates by metalorganic chemical vapor deposition. Applied Physics Letters, 2006, 88, 253114.	1.5	48
30	New fast-decaying green and red phosphors for 3D application of plasma display panels. Journal of Luminescence, 2009, 129, 1088-1093.	1.5	45
31	Fabrication design for a high-quality laser diode-based ceramic converter for a laser headlamp application. Ceramics International, 2018, 44, 1182-1186.	2.3	45
32	Self-Organized Graphene Patterns. Advanced Materials, 2011, 23, 2734-2738.	11.1	43
33	Characterization of YVO <sub>4</sub> :Eu <sup>3+</sup> , Sm <sup>3+</sup> red phosphor quick synthesized by microwave rapid heating method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 146, 95-98.	1.7	41
34	Synthesis and photoluminescence properties of new NaAlSiO <sub>4</sub> :Eu <sup>2+</sup> phosphors for near-UV white LED applications. Optical Materials, 2012, 34, 696-699.	1.7	40
35	Design of long-term stable red-emitting CsPb(Br <sub>0.4</sub> , I <sub>0.6</sub> ) <sub>3</sub> perovskite quantum dot film for generation of warm white light. Chemical Engineering Journal, 2017, 313, 461-465.	6.6	38
36	Enhanced optical response of hybridized VO <sub>2</sub> /graphene films. Nanoscale, 2013, 5, 2632.	2.8	36

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37	The design of a ceramic phosphor plate with functional materials for application in high power LEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12390-12393.	2.7	36
38	Facile synthesis of graphene oxide in a Couette Taylor flow reactor. <i>Carbon</i> , 2015, 83, 217-223.	5.4	36
39	Efficient and stable green-emitting CsPbBr <sub>3</sub> perovskite nanocrystals in a microcapsule for light emitting diodes. <i>Chemical Engineering Journal</i> , 2018, 352, 957-963.	6.6	36
40	Growth of high crystalline quality LiNbO <sub>3</sub> thin films by a new liquid phase epitaxial technique from a solid-liquid coexisting melt. <i>Journal of Crystal Growth</i> , 1995, 152, 87-93.	0.7	34
41	Synthesis and field emission properties of triangular-shaped GaN nanowires on Si(100) substrates. <i>Journal of Crystal Growth</i> , 2009, 311, 495-499.	0.7	34
42	Thermally stable phosphor-in-glass for enhancement of characteristic in high power LED applications. <i>Materials Letters</i> , 2015, 157, 89-92.	1.3	33
43	Photoluminescence properties of green-emitting Eu <sup>2+</sup> -activated Ba <sub>3</sub> Si <sub>6</sub> O <sub>12</sub> N <sub>2</sub> oxynitride phosphor for white LED applications. <i>Materials Letters</i> , 2011, 65, 3399-3401.	1.3	32
44	Feasible water flow filter with facilely functionalized Fe <sub>3</sub> O <sub>4</sub> -non-oxidative graphene/CNT composites for arsenic removal. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3246-3252.	3.3	32
45	Effect of Cooling Condition on Chemical Vapor Deposition Synthesis of Graphene on Copper Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19574-19578.	4.0	31
46	High-efficiency exfoliation of large-area mono-layer graphene oxide with controlled dimension. <i>Scientific Reports</i> , 2017, 7, 16414.	1.6	30
47	Growth of ZnO nanostructures in a chemical vapor deposition process. <i>Journal of Crystal Growth</i> , 2006, 292, 306-310.	0.7	29
48	A room-temperature operable and stretchable NO <sub>2</sub> gas sensor composed of reduced graphene oxide anchored with MOF-derived ZnFe <sub>2</sub> O <sub>4</sub> hollow octahedron. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130463.	4.0	29
49	Flexible electrochromic films based on CVD-graphene electrodes. <i>Nanotechnology</i> , 2014, 25, 395702.	1.3	28
50	The novel design of a remote phosphor ceramic plate for white light generation in high power LEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6148-6152.	2.7	28
51	Fabrication and gas sensing characteristics of pure and Pt-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> thin film. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 215-220.	4.0	27
52	Rational design and in-situ formation of nickel-cobalt nitride multi-core/hollow N-doped carbon shell anode for Li-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 420, 129630.	6.6	27
53	Synthesis of high efficient nanosized Y(V,P)O <sub>4</sub> :Eu <sup>3+</sup> red phosphors by a new technique. <i>Optical Materials</i> , 2011, 33, 1190-1194.	1.7	26
54	Nanodome Structured BiVO <sub>4</sub> /GaO <sub>x</sub> N <sub>1-x</sub> Photoanode for Solar Water Oxidation. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700323.	1.9	25

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55	Design of 2D Nanocrystalline Fe <sub>2</sub> Ni <sub>2</sub> N Coated onto Graphene Nanohybrid Sheets for Efficient Electrocatalytic Oxygen Evolution. ACS Applied Energy Materials, 2019, 2, 8502-8510.	2.5	25
56	Refractive index properties of SiN thin films and fabrication of SiN optical waveguide. Journal of Electroceramics, 2006, 17, 315-318.	0.8	24
57	Efficient removal of arsenic by strategically designed and layer-by-layer assembled PS@rGO@GO@Fe <sub>3</sub> O <sub>4</sub> composites. Journal of Environmental Management, 2017, 201, 286-293.	3.8	24
58	Organic solvent-free lyophilization assisted recrystallization synthesis of high-purity green emissive Cs <sub>3</sub> MnX <sub>5</sub> (X = I, Br). Journal of Alloys and Compounds, 2020, 845, 156324.	2.8	24
59	Morphology adjustable Co <sub>x</sub> N with 3D mesoporous structure and amorphous N-doped carbon for overall water splitting. Applied Surface Science, 2020, 529, 147177.	3.1	24
60	Innovatively Continuous Mass Production Couette-taylor Flow: Pure Inorganic Green-Emitting Cs <sub>4</sub> PbBr <sub>6</sub> Perovskite Microcrystal for display technology. Scientific Reports, 2018, 8, 2009.	1.6	23
61	Millerite Core@Nitrogen-Doped Carbon Hollow Shell Structure for Electrochemical Energy Storage. Small, 2018, 14, e1802933.	5.2	23
62	Pore-Free 12CaO·7Al <sub>2</sub> O <sub>3</sub> Single-Crystal Growth by Melt State Control using the Floating Zone Method. Crystal Growth and Design, 2008, 8, 1271-1275.	1.4	22
63	Synthesis and Characterization of Monodispersed $\text{I}^2\text{-Ga}_2\text{O}_3$ Nanospheres via Morphology Controlled Ga <sub>4</sub> (OH) <sub>10</sub> SO <sub>4</sub> Precursors. Langmuir, 2015, 31, 833-838.	1.6	22
64	Nickel-Iron nitrides and alloy heterojunction with amorphous N-doped carbon Shell: High-efficiency synergistic electrocatalysts for oxygen evolution reaction. Applied Surface Science, 2021, 566, 150706.	3.1	22
65	Influence of AlN buffer layer thickness and deposition methods on GaN epitaxial growth. Thin Solid Films, 2009, 517, 5057-5060.	0.8	21
66	Synthesis and photoluminescence properties of YAG:Ce <sup>3+</sup> phosphor using a liquid-phase precursor method. Journal of Luminescence, 2014, 147, 304-309.	1.5	21
67	Fabrication of phosphor ceramic plate using green-emitting Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> phosphor for high power LEDs. Materials Letters, 2015, 161, 708-711.	1.3	21
68	Fabrication of polyaniline@carbon nano composite for application in sensitive flexible acid sensor. Journal of Industrial and Engineering Chemistry, 2018, 64, 97-101.	2.9	21
69	Synthesis of citrate-capped copper nanoparticles: A low temperature sintering approach for the fabrication of oxidation stable flexible conductive film. Applied Surface Science, 2021, 542, 148609.	3.1	21
70	Thermochromic Properties of Sn, W Co-Doped VO <sub>2</sub> Nanostructured Thin Film Deposited by Pulsed Laser Deposition. Journal of Nanoscience and Nanotechnology, 2014, 14, 8941-8945.	0.9	20
71	Crystalline structure-tunable, surface oxidation-suppressed Ni nanoparticles: printable magnetic colloidal fluids for flexible electronics. Journal of Materials Chemistry C, 2015, 3, 4842-4847.	2.7	20
72	(NH <sub>4</sub> ) <sub>3</sub> AlF <sub>6</sub> :Mn <sup>4+</sup> a novel red phosphor @ Facile synthesis, structure and luminescence characteristics. Journal of Alloys and Compounds, 2019, 776, 594-598.	2.8	20

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73	Photoluminescence properties of Sr <sub>1-x</sub> Si <sub>2</sub> O <sub>2</sub> N <sub>2</sub> : Eu <sup>2+</sup> as green to yellow-emitting phosphor for blue pumped white LEDs. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 473-475.	1.9	19
74	Green-emitting Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> phosphor as a visible light amplifier for dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 24737-24741.	1.7	19
75	Design of Advanced MnO/Gr 3D Walls through Polymer Cross-Linking for High-Performance Supercapacitor. <i>Chemistry - A European Journal</i> , 2016, 22, 1652-1657.	1.7	19
76	An All Oxide-Based Imperceptible Thin-Film Transistor with Humidity Sensing Properties. <i>Materials</i> , 2017, 10, 530.	1.3	19
77	Tannic acid modified antifreezing gelatin organohydrogel for low modulus, high toughness, and sensitive flexible strain sensor. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1665-1675.	3.6	19
78	The fabrication of polymer-based evanescent optical waveguide for biosensing. <i>Applied Surface Science</i> , 2009, 255, 5466-5470.	3.1	18
79	Large-scale patterning by the roll-based evaporation-induced self-assembly. <i>Journal of Materials Chemistry</i> , 2012, 22, 22844.	6.7	18
80	Synthesis, morphology and optical properties of pure and Eu <sup>3+</sup> doped $\beta$ -Ga <sub>2</sub> O <sub>3</sub> hollow nanostructures by hydrothermal method. <i>Materials Chemistry and Physics</i> , 2014, 147, 178-183.	2.0	18
81	Synthesis and Characterization of Highly Uniform CuCo <sub>2</sub> S <sub>4</sub> Hollow Nanospheres as High Performance Electrode for Supercapacitors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700936.	0.8	18
82	Heazlewoodite, Ni <sub>3</sub> S <sub>2</sub> : An electroactive material for supercapacitor application. <i>Ceramics International</i> , 2021, 47, 16852-16860.	2.3	18
83	Design of water stable green-emitting CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite luminescence materials with encapsulation for applications in optoelectronic device. <i>Chemical Engineering Journal</i> , 2016, 306, 791-795.	6.6	17
84	Toward Green Synthesis of Graphene Oxide Using Recycled Sulfuric Acid via Couette-Taylor Flow. <i>ACS Omega</i> , 2017, 2, 186-192.	1.6	17
85	Morphology-controlled synthesis of 3D flower-like NiWO <sub>4</sub> microstructure via surfactant-free wet chemical method. <i>Journal of Alloys and Compounds</i> , 2018, 753, 791-798.	2.8	17
86	Copper nickel alloy nanorods textured nanoparticles for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2020, 333, 135545.	2.6	17
87	Engineering of sustainable clothing with improved comfort and thermal properties-A step towards reducing chemical footprint. <i>Journal of Cleaner Production</i> , 2020, 261, 121189.	4.6	17
88	Characteristics of indium incorporation in InGaN/GaN multiple quantum wells grown on a-plane and c-plane GaN. <i>Applied Physics Letters</i> , 2012, 100, 212103.	1.5	16
89	Quality improvement of fast-synthesized graphene films by rapid thermal chemical vapor deposition for mass production. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 242, 63-68.	1.7	16
90	Cobalt supported nitrogen-doped carbon nanotube as efficient catalyst for hydrogen evolution reaction and reduction of 4-nitrophenol. <i>Applied Surface Science</i> , 2022, 572, 151450.	3.1	16

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91	Synthesis and characteristics of pure $\text{In}^{2+}$ -Ga <sub>2</sub> O <sub>3</sub> and Tb <sup>3+</sup> doped $\text{In}^{2+}$ -Ga <sub>2</sub> O <sub>3</sub> hollow nanostructures. <i>Materials Letters</i> , 2013, 111, 67-70.	1.3	15
92	Influence of the transfer and chemical treatment of monolayer graphene grown for flexible transparent electrodes. <i>Carbon</i> , 2015, 81, 458-464.	5.4	15
93	Organic solvent-assisted synthesis of the $\text{K}_3\text{SiF}_7:\text{Mn}^{4+}$ red phosphor with improved morphology and stability. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15014-15020.	2.7	15
94	Static and Dynamic Properties of the Vortices in Single Crystalline CeRu <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , 1997, 66, 2355-2366.	0.7	15
95	The ridge waveguide fabrication with periodically poled MgO-doped lithium niobate for green laser. <i>Applied Surface Science</i> , 2007, 254, 1101-1104.	3.1	14
96	From Blue-Purple to Red-Emitting Phosphors, $\text{A}_{2-x}\text{B}_x\text{P}_2\text{O}_7:\text{Eu}^{2+}, \text{Mn}^{2+}$ (A and B=Alkaline-Earth Metal) under Near-UV Pumped White LED Applications. <i>Journal of the Electrochemical Society</i> , 2009, 156, J148.	1.3	14
97	Synthesis of GaN nanowires and nanorods via self-growth mode control. <i>Microelectronics Journal</i> , 2009, 40, 373-376.	1.1	14
98	Growth and Characteristics of Zinc-Blende and Wurtzite GaN Junctioned Branch Nanostructures. <i>Crystal Growth and Design</i> , 2010, 10, 2581-2584.	1.4	14
99	The electrical, optical, and structural properties of amorphous indium gallium zinc oxide films and channel thin-film transistors. <i>Solid-State Electronics</i> , 2013, 79, 125-129.	0.8	14
100	Enhanced electrochemical performance of lamellar structured $\text{Co}^{\text{Ni}}(\text{OH})_2/\text{reduced}$ graphene oxide (rGO) via hydrothermal synthesis. <i>RSC Advances</i> , 2016, 6, 4764-4769.	1.7	14
101	A Study of the Factors Influencing the Brightness of the Photoluminescence of Sputter-Deposited $\text{Y}_2\text{O}_3:\text{Eu}^{3+}$ Film Phosphors. <i>Journal of the Electrochemical Society</i> , 2008, 155, J111.	1.3	13
102	A simple route of ordered high quality mesoscale stripe polymer patterns. <i>Soft Matter</i> , 2011, 7, 1682.	1.2	13
103	Reduced anisotropy of a-plane GaN layers grown by metalorganic vapor phase epitaxy. <i>Journal of Crystal Growth</i> , 2011, 315, 178-182.	0.7	13
104	Preparation and luminescence characteristics of single-phase rod-like $\text{BaSi}_2\text{O}_7:\text{Eu}^{2+}$ phosphor with new synthetic route for white light generation. <i>Materials Letters</i> , 2014, 129, 178-181.	1.3	13
105	Liquid flow deposited spinel $(\text{Ni},\text{Mn})_3\text{O}_4$ thin films for microbolometer applications. <i>Applied Surface Science</i> , 2015, 330, 366-373.	3.1	13
106	Characterization of ternary $(\text{Ni},\text{Co},\text{Mn})_3\text{O}_4$ thin films for microbolometer applications. <i>Journal of Alloys and Compounds</i> , 2015, 650, 415-420.	2.8	13
107	New design of hybrid remote phosphor with single-layer graphene for application in high-power LEDs. <i>Chemical Engineering Journal</i> , 2016, 287, 511-515.	6.6	13
108	Synthesis of a silica coated fully-inorganic perovskite with enhanced moisture stability. <i>New Journal of Chemistry</i> , 2019, 43, 16685-16690.	1.4	13

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109	Innovative rapid synthesis design of water-stable solid-state Cs <sub>4</sub> PbBr <sub>6</sub> perovskite luminescence materials for next generation display technology. Applied Surface Science, 2021, 542, 148696.	3.1	12
110	Mass production and characterization of free-standing ZnO nanotripods by thermal chemical vapor deposition. Journal of Crystal Growth, 2009, 311, 504-507.	0.7	11
111	Simple route to ridge optical waveguide fabricated via controlled evaporative self-assembly. Journal of Materials Chemistry, 2011, 21, 5230.	6.7	11
112	Luminescent properties of Y(P,V)O <sub>4</sub> :Eu <sup>3+</sup> phosphors prepared by combining liquid phase precursor method and planetary ball milling. Journal of Alloys and Compounds, 2011, 509, 4331-4335.	2.8	11
113	Design of a thermally stable rGO-embedded remote phosphor for applications in white LEDs. Journal of Materials Chemistry C, 2015, 3, 235-238.	2.7	11
114	Synthesis of AlN whiskers using cobalt oxide catalyst and their alignments for the improvement of thermal conductivity. Materials Chemistry and Physics, 2016, 179, 204-213.	2.0	11
115	Synthesis design of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> phosphor for fabrication of ceramic converter in automotive application. Optical Materials, 2018, 80, 265-270.	1.7	11
116	Complementary performance improved crystalline N-doped carbon encapsulated CoFe/mesoporous N-doped graphene foam as bifunctional catalyst. Applied Surface Science, 2021, 559, 149077.	3.1	11
117	Segregation and laser properties of Er/Mg co-doped LiNbO <sub>3</sub> single crystal. Journal of Crystal Growth, 2002, 244, 49-52.	0.7	10
118	Influence of AlGaN/GaN/InGaN superlattice on the characteristics of LEDs grown by metalorganic chemical vapor deposition. Journal of Crystal Growth, 2010, 312, 2847-2851.	0.7	10
119	Synthesis and characteristics of ZnGa <sub>2</sub> O <sub>4</sub> hollow nanostructures via carbon@Ga(OH)CO <sub>3</sub> @Zn(OH) <sub>2</sub> by a hydrothermal method. CrystEngComm, 2015, 17, 2267-2272.	1.3	10
120	Novel Soft Chemical Synthesis Methods of Ceramic Materials. Key Engineering Materials, 0, 690, 268-271.	0.4	10
121	Exquisite morphology, highly emissive yellow Sr <sub>1.44</sub> Ba <sub>0.46</sub> SiO <sub>4</sub> :0.1Eu <sup>2+</sup> phosphor synthesized by a liquid phase precursor process. Dyes and Pigments, 2017, 142, 147-152.	2.0	10
122	Synthesis of Li <sub>2</sub> SiO <sub>3</sub> using novel water-assisted solid state reaction method. Journal of the Ceramic Society of Japan, 2017, 125, 472-475.	0.5	10
123	Annealing Effect on the Optical Properties of a-SiC:H Films Deposited by PECVD. Materials Transactions, 2002, 43, 2058-2062.	0.4	9
124	Influence of NH <sub>3</sub> gas for GaN epilayer on $\hat{r}^2$ -Ga <sub>2</sub> O <sub>3</sub> substrate by nitridation. Surface and Coatings Technology, 2008, 202, 5497-5500.	2.2	9
125	Synthesis and properties of triangular-shaped GaN nanorods via growth mode control. Journal of Crystal Growth, 2009, 311, 490-494.	0.7	9
126	Enhanced Luminescent of Y(P,V)O <sub>4</sub> :Eu <sup>3+</sup> Nano Phosphors in Porous Cellulose Fibers by Facile Liquid Phase Precursor Synthesis. Journal of Nanoscience and Nanotechnology, 2009, 9, 4371-4375.	0.9	9



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127	Enhancement of photoluminescence properties of green to yellow emitting Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> : Ce <sup>3+</sup> phosphor by AlN addition for white LED applications. <i>Materials Letters</i> , 2012, 67, 184-186.	1.3	9
128	Morphology controllable synthesis and characterization of gallium compound hierarchical structures via forced-hydrolysis method. <i>Journal of Alloys and Compounds</i> , 2016, 675, 57-63.	2.8	9
129	Nanophosphors synthesized by the water-assisted solid-state reaction (WASSR) method: Luminescence properties and reaction mechanism of the WASSR method. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 177-194.	3.4	9
130	Synthesis and optical properties of P <sup>5+</sup> co-doped Ba <sub>3</sub> SiO <sub>5</sub> :Eu <sup>2+</sup> orange persistent phosphor. <i>Dyes and Pigments</i> , 2018, 148, 460-464.	2.0	9
131	Growth of Zr co-doped Tm:LiNbO <sub>3</sub> single crystal for improvement of photoluminescence property in blue wavelength range. <i>Journal of Crystal Growth</i> , 2011, 318, 653-656.	0.7	8
132	Growth and characterization of a-plane InGaN/GaN multiple quantum well LEDs grown on-plane sapphire. <i>Semiconductor Science and Technology</i> , 2012, 27, 015011.	1.0	8
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