

Narsimlu daulatabad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/294962/publications.pdf>

Version: 2024-02-01

239
papers

8,814
citations

36303

51
h-index

60623

81
g-index

240
all docs

240
docs citations

240
times ranked

9859
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Ni ²⁺ /Co layered double hydroxide nanosheets entrapped on conductive textile fibers: a cost-effective and flexible electrode for high-performance pseudocapacitors. <i>Nanoscale</i> , 2016, 8, 812-825.	5.6	327
2	Conductive silver nanowires-fenced carbon cloth fibers-supported layered double hydroxide nanosheets as a flexible and binder-free electrode for high-performance asymmetric supercapacitors. <i>Nano Energy</i> , 2017, 36, 58-67.	16.0	291
3	Wearable Fabrics with Self-Branched Bimetallic Layered Double Hydroxide Coaxial Nanostructures for Hybrid Supercapacitors. <i>ACS Nano</i> , 2017, 11, 10860-10874.	14.6	259
4	Metallic Layered Polyester Fabric Enabled Nickel Selenide Nanostructures as Highly Conductive and Binderless Electrode with Superior Energy Storage Performance. <i>Advanced Energy Materials</i> , 2017, 7, 1601362.	19.5	259
5	High-performance pouch-type hybrid supercapacitor based on hierarchical NiO-Co ₃ O ₄ -NiO composite nanoarchitectures as an advanced electrode material. <i>Nano Energy</i> , 2018, 48, 81-92.	16.0	251
6	An Ultrahigh-Performance Photodetector based on a Perovskite-Transition-Metal-Dichalcogenide Hybrid Structure. <i>Advanced Materials</i> , 2016, 28, 7799-7806.	21.0	242
7	Highly efficient low temperature solution processable planar type CH ₃ NH ₃ Pb ₃ perovskite flexible solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1572-1578.	10.3	223
8	Ultrafast synthesis of bifunctional Er ³⁺ /Yb ³⁺ -codoped NaBiF ₄ upconverting nanoparticles for nanothermometer and optical heater. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 172-181.	9.4	167
9	Efficiency Enhancement of Organic Solar Cells Using Hydrophobic Antireflective Inverted Moth-Eye Nanopatterned PDMS Films. <i>Advanced Energy Materials</i> , 2014, 4, 1301315.	19.5	151
10	Utilizing Waste Cable Wires for High-Performance Fiber-Based Hybrid Supercapacitors: An Effective Approach to Electronic-Waste Management. <i>Advanced Energy Materials</i> , 2018, 8, 1702201.	19.5	140
11	Yb ³⁺ -Concentration dependent upconversion luminescence and temperature sensing behavior in Yb ³⁺ /Er ³⁺ codoped Gd ₂ MoO ₆ nanocrystals prepared by a facile citric-assisted sol-gel method. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1987-1995.	6.0	138
12	Excellent photoluminescence and cathodoluminescence properties in Eu ³⁺ -activated Sr ₂ LaNbO ₆ materials for multifunctional applications. <i>Chemical Engineering Journal</i> , 2021, 406, 127154.	12.7	113
13	Wearable Single-Electrode-Mode Triboelectric Nanogenerator via Conductive Polymer-Coated Textiles for Self-Power Electronics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16450-16458.	6.7	109
14	Paper-Based Surface-Enhanced Raman Spectroscopy for Diagnosing Prenatal Diseases in Women. <i>ACS Nano</i> , 2018, 12, 7100-7108.	14.6	101
15	Enhanced ionic conductivity of electrospun nanocomposite (PVDF/HFP/TiO ₂ nanofibers fillers) polymer fibrous membrane electrolyte for DSSC application. <i>Polymer Composites</i> , 2019, 40, 1585-1594.	4.6	101
16	An Integrated Approach Toward Renewable Energy Storage Using Rechargeable Ag@Ni _{0.67} Co _{0.33} S ₂ -Based Hybrid Supercapacitors. <i>Small</i> , 2019, 15, e1805418.	10.0	101
17	Humidity Sustained Wearable Pouch-Type Triboelectric Nanogenerator for Harvesting Mechanical Energy from Human Activities. <i>Advanced Functional Materials</i> , 2019, 29, 1807779.	14.9	99
18	A facile one-step approach to hierarchically assembled core-shell-like MnO ₂ @MnO ₂ nanoarchitectures on carbon fibers: An efficient and flexible electrode material to enhance energy storage. <i>Nano Research</i> , 2016, 9, 1507-1522.	10.4	98

#	ARTICLE	IF	CITATIONS
19	A facile and efficient strategy for the preparation of stable CaMoO ₄ spherulites using ammonium molybdate as a molybdenum source and their excitation induced tunable luminescent properties for optical applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 15562.	6.7	97
20	Broad near-ultraviolet and blue excitation band induced dazzling red emissions in Eu ³⁺ -activated Gd ₂ MoO ₆ phosphors for white light-emitting diodes. <i>RSC Advances</i> , 2017, 7, 3170-3178.	3.6	96
21	Enhanced Performance of Microarchitected PTFE-Based Triboelectric Nanogenerator via Simple Thermal Imprinting Lithography for Self-Powered Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24181-24192.	8.0	87
22	Hydrothermal Synthesis and Photocatalytic Property of ¹²⁵ I-Ga ₂ O ₃ Nanorods. <i>Nanoscale Research Letters</i> , 2015, 10, 364.	5.7	84
23	Highly Transparent and Flexible Triboelectric Nanogenerators with Subwavelength-Architected Polydimethylsiloxane by a Nanoporous Anodic Aluminum Oxide Template. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20520-20529.	8.0	83
24	Label-Free Surface-Enhanced Raman Spectroscopy Biosensor for On-Site Breast Cancer Detection Using Human Tears. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7897-7904.	8.0	83
25	Broadband and omnidirectional highly-transparent coverglasses coated with biomimetic moth-eye nanopatterned polymer films for solar photovoltaic system applications. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 45-53.	6.2	82
26	High-Performance Flexible Piezoelectric-Assisted Triboelectric Hybrid Nanogenerator via Polydimethylsiloxane-Encapsulated Nanoflower-like ZnO Composite Films for Scavenging Energy from Daily Human Activities. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8525-8535.	6.7	82
27	Rational design of forest-like nickel sulfide hierarchical architectures with ultrahigh areal capacity as a binder-free cathode material for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13178-13190.	10.3	82
28	Dual-enhancement of photoluminescence and cathodoluminescence in Eu ³⁺ -activated SrMoO ₄ phosphors by Na ⁺ doping. <i>RSC Advances</i> , 2015, 5, 60121-60127.	3.6	78
29	CH ₃ NH ₃ PbI ₃ planar perovskite solar cells with antireflection and self-cleaning function layers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7573-7579.	10.3	78
30	Concentration and penetration depth dependent tunable emissions from Eu ³⁺ -co-doped SrY ₂ O ₄ :Dy ³⁺ nanocrystalline phosphor. <i>New Journal of Chemistry</i> , 2014, 38, 163-169.	2.8	77
31	Enabling redox chemistry with hierarchically designed bilayered nanoarchitectures for pouch-type hybrid supercapacitors: A sunlight-driven rechargeable energy storage system to portable electronics. <i>Nano Energy</i> , 2018, 50, 448-461.	16.0	75
32	Novel rare-earth-free yellow Ca ₅ Zn _{3.92} In _{0.08} (VO ₄) ₆ phosphors for dazzling white light-emitting diodes. <i>Scientific Reports</i> , 2015, 5, 10296.	3.3	73
33	Evolution of CaGd ₂ ZnO ₅ :Eu ³⁺ nanostructures for rapid visualization of latent fingerprints. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4246-4256.	5.5	69
34	Rare-earth free self-luminescent Ca ₂ KZn ₂ (VO ₄) ₃ phosphors for intense white light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 42348.	3.3	68
35	Metal-Organic Framework-Derived Co ₃ V ₂ O ₈ @CuV ₂ O ₆ Hybrid Architecture as a Multifunctional Binder-Free Electrode for Li-Ion Batteries and Hybrid Supercapacitors. <i>Small</i> , 2020, 16, e2003983.	10.0	68
36	Integrated Design of Highly Porous Cellulose-Loaded Polymer-Based Triboelectric Films toward Flexible, Humidity-Resistant, and Sustainable Mechanical Energy Harvesters. <i>ACS Energy Letters</i> , 2020, 5, 2140-2148.	17.4	68

#	ARTICLE	IF	CITATIONS
37	Highly flexible conductive fabrics with hierarchically nanostructured amorphous nickel tungsten tetraoxide for enhanced electrochemical energy storage. <i>Nano Research</i> , 2015, 8, 3749-3763.	10.4	65
38	Ternary MOF-Based Redox Active Sites Enabled 3D-on-2D Nanoarchitected Battery-Type Electrodes for High-Energy-Density Supercapatteries. <i>Nano-Micro Letters</i> , 2021, 13, 17.	27.0	64
39	Eu ³⁺ ion concentration induced 3D luminescence properties of novel red-emitting Ba ₄ La ₆ (SiO ₄) ₄ O:Eu ³⁺ oxyapatite phosphors for versatile applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1039-1050.	5.5	63
40	Enhancing the output performance of hybrid nanogenerators based on Al-doped BaTiO ₃ composite films: a self-powered utility system for portable electronics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16101-16110.	10.3	63
41	Facile synthesis of Er ³⁺ /Yb ³⁺ -codoped NaYF ₄ nanoparticles: a promising multifunctional upconverting luminescent material for versatile applications. <i>RSC Advances</i> , 2016, 6, 94539-94546.	3.6	61
42	High transparency and triboelectric charge generation properties of nano-patterned PDMS. <i>RSC Advances</i> , 2014, 4, 10216.	3.6	60
43	Preparation and characterization of nanocrystallite size cuprous oxide. <i>Materials Research Bulletin</i> , 2007, 42, 1619-1624.	5.2	58
44	Ultrathin nickel hydroxide nanosheet arrays grafted biomass-derived honeycomb-like porous carbon with improved electrochemical performance as a supercapacitive material. <i>Scientific Reports</i> , 2017, 7, 45201.	3.3	58
45	Eu ³⁺ -activated La ₂ MoO ₆ -La ₂ WO ₆ red-emitting phosphors with ultrabroad excitation band for white light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 11953.	3.3	58
46	Synthesis of Er(III)/Yb(III)-doped BiF ₃ upconversion nanoparticles for use in optical thermometry. <i>Mikrochimica Acta</i> , 2018, 185, 237.	5.0	58
47	Designed construction of yolk-shell structured trimanganese tetraoxide nanospheres via polar solvent-assisted etching and biomass-derived activated porous carbon materials for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15808-15821.	10.3	57
48	A facile drop-casting approach to nanostructured copper oxide-painted conductive woven textile as binder-free electrode for improved energy storage performance in redox-additive electrolyte. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2224-2234.	10.3	55
49	Strong Green Emission of Erbium(III)-Activated La ₂ MgTiO ₆ Phosphors for Solid-State Lighting and Optical Temperature Sensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5105-5115.	6.7	55
50	Simultaneous phase and size manipulation in NaYF ₄ :Er ³⁺ /Yb ³⁺ upconverting nanoparticles for a non-invasion optical thermometer. <i>New Journal of Chemistry</i> , 2017, 41, 13855-13861.	2.8	54
51	Photoluminescence and Cathodoluminescence Properties of Nanocrystalline Ca ₂ Gd ₈ Si ₆ O ₂₆ :Sm ³⁺ . <i>Journal of the American Ceramic Society</i> , 2012, 95, 238-242.		
52	Red and green colors emitting spherical-shaped calcium molybdate nanophosphors for enhanced latent fingerprint detection. <i>Scientific Reports</i> , 2017, 7, 11571.	3.3	53
53	Broad red-emission of Sr ₃ Y ₂ Ge ₃ O ₁₂ :Eu ²⁺ garnet phosphors under blue excitation for warm WLED applications. <i>RSC Advances</i> , 2017, 7, 13281-13288.	3.6	52
54	Highly Reproducible Au-Decorated ZnO Nanorod Array on a Graphite Sensor for Classification of Human Aqueous Humors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5891-5899.	8.0	52

#	ARTICLE	IF	CITATIONS
55	Structural, electrical and dielectric properties of spinel type MgAl ₂ O ₄ nanocrystalline ceramic particles synthesized by the gel-combustion method. <i>Ceramics International</i> , 2015, 41, 3178-3185.	4.8	51
56	Rapid microwave assisted hydrothermal synthesis of porous Fe ₂ O ₃ nanostructures as stable and high capacity negative electrode for lithium and sodium ion batteries. <i>RSC Advances</i> , 2015, 5, 34761-34768.	3.6	50
57	Multi-stacked PDMS-based triboelectric generators with conductive textile for efficient energy harvesting. <i>RSC Advances</i> , 2015, 5, 6437-6442.	3.6	50
58	Triboelectric nanogenerators with gold-thin-film-coated conductive textile as floating electrode for scavenging wind energy. <i>Nano Research</i> , 2018, 11, 101-113.	10.4	47
59	Effect of ZnO filler concentration on the conductivity, structure and morphology of PVdF-HFP nanocomposite solid polymer electrolyte for lithium battery application. <i>Ionics</i> , 2013, 19, 1835-1842.	2.4	46
60	Self-assembled hierarchical Co ²⁺ -cobalt hydroxide nanostructures on conductive textiles by one-step electrochemical deposition. <i>CrystEngComm</i> , 2014, 16, 11027-11034.	2.6	46
61	Hybrid Energy Cell with Hierarchical Nano/Micro-Architected Polymer Film to Harvest Mechanical, Solar, and Wind Energies Individually/Simultaneously. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30165-30175.	8.0	46
62	Recent Advanced Development of Artificial Interphase Engineering for Stable Sodium Metal Anodes. <i>Small</i> , 2022, 18, e2102250.	10.0	46
63	Formation of Ca ₂ Gd ₈ (SiO ₄) ₆ O ₂ Nanorod Bundles Based on Crystal Splitting by Mixed Solvothermal and Hydrothermal Reaction Methods. <i>Crystal Growth and Design</i> , 2012, 12, 960-969.	3.0	45
64	Efficiency improvement of III-V GaAs solar cells using biomimetic TiO ₂ subwavelength structures with wide-angle and broadband antireflection properties. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 43-49.	6.2	45
65	Fallen leaves derived honeycomb-like porous carbon as a metal-free and low-cost counter electrode for dye-sensitized solar cells with excellent tri-iodide reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 843-851.	9.4	44
66	Nanostructured encapsulation coverglasses with wide-angle broadband antireflection and self-cleaning properties for III-V multi-junction solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 555-560.	6.2	42
67	Electrical and electrochemical studies of nanocrystalline mesoporous MgFe ₂ O ₄ as anode material for lithium battery applications. <i>Ceramics International</i> , 2016, 42, 16789-16797.	4.8	42
68	Energy Back Transfer Induced Color Controllable Upconversion Emissions in La ₂ MoO ₆ :Er ³⁺ /Yb ³⁺ Nanocrystals for Versatile Applications. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700416.	2.3	41
69	Regulating Dendrite-Free Zinc Deposition by Red Phosphorous-Derived Artificial Protective Layer for Zinc Metal Batteries. <i>Advanced Science</i> , 2022, 9, e2200155.	11.2	41
70	Hierarchically Designed Ag@Ce ₆ Mo ₁₀ O ₃₉ Marigold Flower-Like Architectures: An Efficient Electrode Material for Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36976-36987.	8.0	40
71	Near-ultraviolet light-induced dazzling red emission in CaGd ₂ (MoO ₄) ₄ :Sm ³⁺ compounds for phosphor-converted WLEDs. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5353-5364.	3.8	40
72	La(OH) ₃ :Eu ³⁺ and La ₂ O ₃ :Eu ³⁺ nanorod bundles: growth mechanism and luminescence properties. <i>CrystEngComm</i> , 2015, 17, 9431-9442.	2.6	39

#	ARTICLE	IF	CITATIONS
73	Tunable color upconversion emissions in erbium(III)-doped BiOCl microplates for simultaneous thermometry and optical heating. <i>Mikrochimica Acta</i> , 2017, 184, 2661-2669.	5.0	39
74	Facile synthesis of MoO ₃ /rGO nanocomposite as anode materials for high performance lithium-ion battery applications. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151920.	5.5	39
75	Enhanced Device Efficiency of Bilayered Inverted Organic Solar Cells Based on Photocurable P3HTs with a Light-Harvesting ZnO Nanorod Array. <i>Advanced Energy Materials</i> , 2014, 4, 1301338.	19.5	38
76	UV-A and UV-B excitation region broadened novel green color-emitting CaGd ₂ ZnO ₅ :Tb ³⁺ nanophosphors. <i>RSC Advances</i> , 2015, 5, 22217-22223.	3.6	38
77	A.C conductivity and dielectric properties of spinel LiMn ₂ O ₄ nanorods. <i>Ceramics International</i> , 2015, 41, 14070-14077.	4.8	38
78	Synthesis and luminescent properties of red-emitting Eu ³⁺ -activated Ca _{0.5} Sr _{0.5} MoO ₄ phosphors. <i>Journal of Materials Science</i> , 2016, 51, 5427-5435.	3.7	38
79	Surfactant-free microwave hydrothermal synthesis of SnO ₂ nanosheets as an anode material for lithium battery applications. <i>Ceramics International</i> , 2018, 44, 201-207.	4.8	38
80	Near-Infrared Light-Triggered Visible Upconversion Emissions in Er ³⁺ /Yb ³⁺ -Codoped Y ₂ Mo ₄ O ₁₅ Microparticles for Simultaneous Noncontact Optical Thermometry and Solid-State Lighting. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13077-13086.	3.7	37
81	Graphene Matrix Sheathed Metal Vanadate Porous Nanospheres for Enhanced Longevity and High-Rate Energy Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27074-27086.	8.0	37
82	Temperature- and size-dependent characteristics in ultrathin inorganic light-emitting diodes assembled by transfer printing. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	35
83	One-Pot Hydrothermal-Derived NiS ₂ –CoMo ₂ S ₄ with Vertically Aligned Nanorods as a Binder-Free Electrode for Coin-Cell-Type Hybrid Supercapacitor. <i>Small Methods</i> , 2021, 5, e2100335.	8.6	35
84	Prussian-Blue Analogue-Derived Hollow Structured Co ₃ S ₄ /CuS ₂ /NiS ₂ Nanocubes as an Advanced Battery-Type Electrode Material for High-Performance Hybrid Supercapacitors. <i>Small</i> , 2022, 18, e2105185.	10.0	35
85	High-Performance Continuous-Wave Operation of $\lambda \sim \mu$ Quantum-Cascade Lasers Above Room Temperature. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 747-754.	1.9	34
86	Samarium(III) and terbium(III) ion-doped NaLa(MoO ₄) ₂ phosphors for versatile applications. <i>New Journal of Chemistry</i> , 2019, 43, 10645-10657.	2.8	34
87	Cerium vanadate/carbon nanotube hybrid composite nanostructures as a high-performance anode material for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 58, 25-32.	12.9	34
88	Facile preparation of Eu ³⁺ -activated Ca ₇ (VO ₄) ₄ nanoparticles: a blue light-triggered red-emitting platform for indoor solid-state lighting. <i>New Journal of Chemistry</i> , 2019, 43, 6688-6695.	2.8	32
89	Strong Photocurrent Enhancements in Plasmonic Organic Photovoltaics by Biomimetic Nanoarchitectures with Efficient Light Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6706-6715.	8.0	31
90	Artificial inverted compound eye structured polymer films with light-harvesting and self-cleaning functions for encapsulated III-V solar cell applications. <i>RSC Advances</i> , 2015, 5, 60804-60813.	3.6	31

#	ARTICLE	IF	CITATIONS
91	Multifunctional core-shell-like nanoarchitectures for hybrid supercapacitors with high capacity and long-term cycling durability. <i>Nano Research</i> , 2019, 12, 2597-2608.	10.4	31
92	Achieving a High Areal Capacity with a Binder-Free Copper Molybdate Nanocone Array-Based Positive Electrode for Hybrid Supercapacitors. <i>Inorganic Chemistry</i> , 2018, 57, 8440-8450.	4.0	30
93	Advantageous Occupation of Europium(III) in the B Site of Double-Perovskite $\text{Ca}_2\text{BB}_2\text{O}_6$ (B = Y, Gd, La; $\text{B}^2 = \text{Sb, Nb}$) Frameworks for White-Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7960-7972.	6.7	30
94	Microwave hydrothermal synthesis of MnMoO_4 nanorods for high electrochemical performance supercapacitors. <i>RSC Advances</i> , 2018, 8, 22559-22568.	3.6	29
95	Metal-Semiconductor-Metal Near-Ultraviolet (~380 nm) Photodetectors by Selective Area Growth of ZnO Nanorods and SiO ₂ Passivation. <i>Nanoscale Research Letters</i> , 2016, 11, 333.	5.7	28
96	Birnessite-type MnO_2 nanosheet arrays with interwoven arrangements on vapor grown carbon fibers as hybrid nanocomposites for pseudocapacitors. <i>Dalton Transactions</i> , 2016, 45, 19322-19328.	3.3	28
97	Electrochemical Characterization of Electrospun Nanocomposite Polymer Blend Electrolyte Fibrous Membrane for Lithium Battery. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5299-5308.	2.6	26
98	Enhanced electrochemical performance of MnCo_2O_4 nanorods synthesized via microwave hydrothermal method for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 21194-21204.	2.2	26
99	Conductivity and dielectric permittivity studies of KI based nanocomposite (PEO/PMMA/KI/ ZnO nanorods) polymer solid electrolytes. <i>Polymer Composites</i> , 2019, 40, 2919-2928.	4.6	26
100	Unraveling CoNiP-CoP_2 3D Core-Shell Hybrid Nanoarchitecture for Long-Lasting Electrochemical Hybrid Cells and Oxygen Evolution Reaction. <i>Advanced Science</i> , 2022, 9, e2104877.	11.2	26
101	Electrical and dielectric properties of rare earth oxides coated LiCoO_2 particles. <i>Ionics</i> , 2014, 20, 175-181.	2.4	25
102	A multifunctional hierarchical nano/micro-structured silicon surface with omnidirectional antireflection and superhydrophilicity via an anodic aluminum oxide etch mask. <i>RSC Advances</i> , 2016, 6, 3764-3773.	3.6	25
103	Pump power induced tunable upconversion emissions from $\text{Er}^{3+}/\text{Tm}^{3+}/\text{Yb}^{3+}$ ions tri-doped SrY_2O_4 nanocrystalline phosphors. <i>New Journal of Chemistry</i> , 2014, 38, 3413.	2.8	24
104	Tunable emissions via the white region from $\text{Sr}_2\text{Gd}_8(\text{SiO}_4)_6\text{O}_2$: RE^{3+} (RE^{3+} : Dy^{3+} , Tm^{3+} , Eu^{3+}) phosphors. <i>New Journal of Chemistry</i> , 2016, 40, 6214-6227.	2.8	24
105	High-sensitivity luminescent thermometer based on $\text{Mn}^{4+}/\text{Sm}^{3+}$ dual-emission centers in double-perovskite tellurate. <i>Ceramics International</i> , 2022, 48, 27664-27671.	4.8	24
106	Structural characterization and electrical conductivity studies of BaMoO_4 nanofibers prepared by sol-gel and electrospinning techniques. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 480-489.	2.4	23
107	Novel orange and reddish-orange color emitting BaGd_2O_4 : Sm^{3+} nanophosphors by solvothermal reaction for LED and FED applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 383-388.	3.9	23
108	High conducting nanocomposite electrospun PVDF-HFP/ TiO_2 quasi-solid electrolyte for dye-sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1199-1213.	2.2	23

#	ARTICLE	IF	CITATIONS
109	Binder effect on the battery performance of mesoporous copper ferrite nanoparticles with grain boundaries as anode materials. RSC Advances, 2014, 4, 44089-44099.	3.6	22
110	Luminescence properties of Dy ³⁺ ions activated novel warm white-light emitting CaGd ₂ ZnO ₅ nanophosphors. Ceramics International, 2015, 41, 11228-11233.	4.8	22
111	Solar power generation enhancement of dye-sensitized solar cells using hydrophobic and antireflective polymers with nanoholes. RSC Advances, 2015, 5, 61284-61289.	3.6	22
112	Photoluminescence, cathodoluminescence and thermal stability of Sm ³⁺ activated Sr ₃ La(VO ₄) ₃ red-emitting phosphors. Luminescence, 2017, 32, 1504-1510.	2.9	22
113	Y-ZnO Microflowers Embedded Polymeric Composite Films to Enhance the Electrical Performance of Piezo/Tribo Hybrid Nanogenerators for Biomechanical Energy Harvesting and Sensing Applications. ACS Sustainable Chemistry and Engineering, 2021, 9, 4600-4610.	6.7	22
114	Three-dimensional flower-like nickel doped cobalt phosphate hydrate microarchitectures for asymmetric supercapacitors. Journal of Colloid and Interface Science, 2021, 592, 145-155.	9.4	22
115	Charge transfer band excitation of La ₃ NbO ₇ :Sm ³⁺ phosphors induced abnormal thermal quenching toward high-sensitivity thermometers. Journal of the American Ceramic Society, 2021, 104, 4065-4074.	3.8	21
116	AC Conductivity and Electrical Modulus Studies on Lithium Vanadophosphate Glasses. Journal of the American Ceramic Society, 2007, 90, 125-131.	3.8	20
117	Enhanced conductivity and electrical relaxation studies of carbon-coated LiMnPO ₄ nanorods. Ionics, 2013, 19, 461-469.	2.4	20
118	Characterization and Electrochemical Properties of P(VdFâ€¦i>co</i>â€¦HFP) Based Electrospun Nanocomposite Fibrous Polymer Electrolyte Membrane for Lithium Battery Applications. Electroanalysis, 2014, 26, 2373-2379.	2.9	20
119	Theoretical modeling and optimization of IIIâ€¦V GaInP/GaAs/Ge monolithic triple-junction solar cells. Journal of the Korean Physical Society, 2014, 64, 1561-1565.	0.7	20
120	Î²-NiS 3D micro-flower-based electrode for aqueous asymmetric supercapacitors. Sustainable Energy and Fuels, 2020, 4, 5550-5559.	4.9	20
121	Thermalâ€¦ouple levels of ⁴S₃ and ²H₁₁ in Na(Ca, Tj ETQq1 1 0.784314 rgB Journal of the American Ceramic Society, 2020, 103, 7082-7094.	3.8	20
122	Solvothermal synthesis and luminescent properties of Y₂Ti₂O₇:Eu³⁺ spheres. Physica Status Solidi - Rapid Research Letters, 2013, 7, 224-227.	2.4	19
123	Enhanced electrochemical performance of carbon-coated LiMPO ₄ (M=Co and Ni) nanoparticles as cathodes for high-voltage lithium-ion battery. Journal of Solid State Electrochemistry, 2016, 20, 1855-1863.	2.5	19
124	High Capacity Electrospun MgFe₂O₄â€¦C Composite Nanofibers as an Anode Material for Lithium Ion Batteries. ChemistrySelect, 2018, 3, 8010-8017.	1.5	19
125	Rapid design of a coreâ€¦shell-like metal hydroxide/oxide composite and activated carbon from biomass for high-performance supercapattery applications. Inorganic Chemistry Frontiers, 2019, 6, 1707-1720.	6.0	19
126	Streptavidin activated hydroxyl radicals enhanced photocatalytic and photoelectrochemical properties of membrane-bound like CaMoO₄:Eu³⁺ hybrid structures. Journal of Materials Chemistry A, 2019, 7, 23105-23120.	10.3	19

#	ARTICLE	IF	CITATIONS
127	Template and sol-gel routed CoMn_2O_4 nanofibers for supercapacitor applications. International Journal of Energy Research, 2021, 45, 19413-19422.	4.5	19
128	Preparation, characterization and electrical conductivity studies of nanocrystalline La doped BaMoO_4 . Materials Research Bulletin, 2011, 46, 32-41.	5.2	18
129	Structural, electrical and dielectric studies of nanocrystalline LiMnPO_4 particles. Ionics, 2014, 20, 927-934.	2.4	18
130	$\text{Ba}_3(\text{PO}_4)_2$ hierarchical structures: synthesis, growth mechanism and luminescence properties. CrystEngComm, 2015, 17, 4647-4653.	2.6	18
131	Effect of PMMA blend and ZnAl_2O_4 fillers on ionic conductivity and electrochemical performance of electrospun nanocomposite polymer blend fibrous electrolyte membranes for lithium batteries. RSC Advances, 2016, 6, 6486-6495.	3.6	18
132	3D printed bidirectional rotatory hybrid nanogenerator for mechanical energy harvesting. Nano Energy, 2021, 88, 106250.	16.0	18
133	Bifunctional application of La_3BWO_9 : Bi^{3+} , Sm^{3+} phosphors with strong orange-red emission and sensitive temperature sensing properties. Dalton Transactions, 2021, 50, 15187-15197.	3.3	18
134	A.c. conductivity studies on the silver molybdo-arsenate glassy system. Journal of Materials Science, 1996, 31, 5471-5477.	3.7	17
135	Photoluminescence and cathodoluminescence properties of $\text{Sr}_2\text{Gd}_8\text{Si}_6\text{O}_{26}:\text{RE}_3^+$ ($\text{RE}^{3+}=\text{Tb}^{3+}$ or Sm^{3+}) phosphors. Journal of Luminescence, 2016, 178, 183-191.	3.1	17
136	Morphology-controlled facile surfactant-free synthesis of 3D flower-like $\text{BiOI}:\text{Eu}^{3+}$ or Tb^{3+} microarchitectures and their photoluminescence properties. Journal of Materials Chemistry C, 2017, 5, 6880-6890.	5.5	17
137	LiTaO_3 -Based Flexible Piezoelectric Nanogenerators for Mechanical Energy Harvesting. ACS Applied Materials & Interfaces, 2021, 13, 46526-46536.	8.0	17
138	Silver nanoparticle decorated ZnO nanorod arrays on AZO films for light absorption enhancement. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 297-301.	1.8	16
139	Multifunctional polymers with biomimetic compound architectures via nanoporous AAO films for efficient solar energy harvesting in dye-sensitized solar cells. RSC Advances, 2015, 5, 90103-90110.	3.6	16
140	Synthesis and luminescent properties of $\text{CaLa}_2\text{ZnO}_5:\text{Ln}$ ($\text{Ln}:\text{Tm}^{3+}$ or Er^{3+}) phosphors. Ceramics International, 2015, 41, 13264-13270.	4.8	16
141	Facile fabrication and characterization of arch-shaped triboelectric nanogenerator with a graphite top electrode. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 401-405.	1.8	16
142	Light-Extraction Enhancement of Large-Area GaN-Based LEDs With Electrochemically Grown ZnO Nanorod Arrays. IEEE Photonics Technology Letters, 2011, 23, 1204-1206.	2.5	15
143	Electrospun SnO_2/C composite nanofibers as an anode material for lithium battery applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 11117-11123.	2.2	15
144	Microwave-assisted hydrothermal synthesis of SnO_2 /reduced graphene-oxide nanocomposite as anode material for high performance lithium-ion batteries. Journal of Materials Science: Materials in Electronics, 2018, 29, 14723-14732.	2.2	15

#	ARTICLE	IF	CITATIONS
145	Structural, electrical, and dielectric properties of nickel-doped spinel LiMn ₂ O ₄ nanorods. <i>Ionics</i> , 2019, 25, 981-990.	2.4	15
146	Surfactant-free microwave-hydrothermal synthesis of SnO ₂ flower-like structures as an anode material for lithium-ion batteries. <i>Materialia</i> , 2018, 4, 276-281.	2.7	14
147	Designing chain-like nickel pyro-vanadate porous spheres as an advanced electrode material for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1087-1096.	6.0	14
148	Preparation and characterization of nanocrystalline CoFe ₂ O ₄ deposited on SiO ₂ : in situ sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 24-32.	2.4	13
149	Hierarchical structured polymers for light-absorption enhancement of silicon-based solar power systems. <i>RSC Advances</i> , 2016, 6, 55159-55166.	3.6	13
150	Influence of oblique-angle sputtered transparent conducting oxides on performance of Si-based thin film solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2220-2225.	1.8	12
151	Synthesis and luminescent properties of nanocrystalline Ca ₄ Al ₂ O ₇ :Sm ³⁺ phosphors. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 374-377.	1.5	12
152	Synthesis, characterization and electrical properties of mesoporous nanocrystalline CoFe ₂ O ₄ as a negative electrode material for lithium battery applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17208-17214.	2.2	12
153	Symbiotic organism search algorithm for simulation of J-V characteristics and optimizing internal parameters of DSSC developed using electrospun TiO ₂ nanofibers. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	12
154	High-performance quasi-solid-state asymmetric supercapacitors based on BiMn ₂ O ₅ nanoparticles and redox-additive electrolytes. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2061-2070.	6.0	12
155	Enhanced energy storage performance of nanocrystalline Sm-doped CoFe ₂ O ₄ as an effective anode material for Li-ion battery applications. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 225-236.	2.5	12
156	Three-dimensional lithium manganese phosphate microflowers for lithium-ion battery applications. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 163-167.	2.9	11
157	Antireflective gradient-refractive-index material-distributed microstructures with high haze and superhydrophilicity for silicon-based optoelectronic applications. <i>RSC Advances</i> , 2015, 5, 25616-25624.	3.6	11
158	High-Efficiency and Thermally Sustainable Perovskite Solar Cells with Sandpaper-Aided Flexible Haze/Antireflective Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12981-12989.	6.7	11
159	Electrospun Nanocomposite Ag-ZnO Nanofibrous Photoanode for Better Performance of Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 2019, 48, 4389-4399.	2.2	11
160	Nitrogen-doped reduced graphene oxide incorporated porous rod-like cobalt molybdate as an anode for high-capacity long-life lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 19509-19520.	4.5	11
161	rGO-ZnSnO ₃ Nanostructure-Embedded Triboelectric Polymer-Based Hybridized Nanogenerators. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	11
162	Review on the recent progress in the nanocomposite polymer electrolytes on the performance of lithium-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 7137-7174.	4.5	11

#	ARTICLE	IF	CITATIONS
163	Controlled synthesis of yttrium gallium garnet spherical nanostructures modified by silver oxide nanoparticles for enhanced photocatalytic properties. <i>CrystEngComm</i> , 2016, 18, 8915-8925.	2.6	10
164	Upconversion emission and cathodoluminescence of Er ³⁺ -doped NaYbF ₄ nanoparticles for low-temperature thermometry and field emission displays. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	10
165	Binder-free preparation of bimetallic oxide vertical nanosheet arrays toward high-rate performance and energy density supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 13999-14009.	4.5	10
166	High-Efficiency Poly(Vinylidene Fluoride-co-Hexafluoropropylene) Loaded 3D Marigold Flower-Like Bismuth Tungstate Triboelectric Films for Mechanical Energy Harvesting and Sensing Applications. <i>Small</i> , 2022, 18, e2200822.	10.0	10
167	Tunable growth of urchin-shaped ZnO nanostructures on patterned transparent substrates. <i>CrystEngComm</i> , 2012, 14, 5824.	2.6	9
168	Design and fabrication of antireflective GaN subwavelength grating structures using periodic silica sphere monolayer array patterning. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 567-573.	2.2	9
169	Broadband and wide-angle antireflective characteristics of nanoporous anodic alumina films for silicon-based optoelectronic applications. <i>Applied Physics B: Lasers and Optics</i> , 2015, 118, 439-447.	2.2	9
170	Thermal-tolerant polymers with antireflective and hydrophobic grooved subwavelength grating surfaces for high-performance optics. <i>RSC Advances</i> , 2016, 6, 79755-79762.	3.6	9
171	Facile Hydrothermal Synthesis and Electrochemical Properties of CaMoO ₄ Nanoparticles for Aqueous Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	9
172	Ba ₃ P ₄ O ₁₃ :Eu ³⁺ phosphors with high thermal stability and high internal quantum efficiency for near-ultraviolet white light-emitting diodes. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	9
173	High coercivity in Î±-Fe ₂ O ₃ nanostructures synthesized by surfactant-free microwave-assisted solvothermal method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126038.	2.1	9
174	Facile fabrication of forest-like ZnO hierarchical structures on conductive fabric substrate. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 355-357.	2.4	8
175	Biomimetic nano/micro double-textured silicon with outstanding antireflective and super-hydrophilic surfaces for high optical performance. <i>RSC Advances</i> , 2017, 7, 33757-33763.	3.6	8
176	Shape-tunable Selective Synthesis of Bismuth Fluoride Nanostructures for Versatile Applications. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800018.	2.3	8
177	Role of quercetin and caloric restriction on the biomolecular composition of aged rat cerebral cortex: An FTIR study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117128.	3.9	8
178	An Efficient Power Management System Using Dynamically Configured Multiple Triboelectric Nanogenerators and Dual-Parameter Maximum Power Point Tracking. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	8
179	Structural and electrochemical properties of mesoporous <sc> FeVO ₄ </sc> as a negative electrode for lithium-ion battery. <i>International Journal of Energy Research</i> , 2022, 46, 13590-13601.	4.5	8
180	Light Output Extraction Enhancement in GaN-Based Green LEDs With Periodic AZO Subwavelength Nanostructure Arrays. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1381-1383.	2.5	7

#	ARTICLE	IF	CITATIONS
181	Drop-cast and dye-sensitized ZnO nanorod-based visible-light photodetectors. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 659-663.	2.4	7
182	Temperature-dependent optical, spectral, and thermal characteristics of InGaN/GaN near-ultraviolet light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 46-51.	1.8	7
183	Structural characterization, electrical conductivity and open circuit voltage studies of the nanocrystalline La ₁₀ Si ₆ O ₂₇ electrolyte material for SOFCs. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	7
184	Biomass-derived ant colony-like ion diffused redox porous carbon toward economical and high-performance quasi-solid-state supercapacitor. <i>International Journal of Energy Research</i> , 2022, 46, 1593-1608.	4.5	7
185	Transition metal dichalcogenide nanostructured electrodes without calcination for aqueous asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 9414-9430.	4.5	7
186	Preparation, characterization and conductivity studies of AgI-Ag ₂ O-(TeO ₂) ₂ Tj ETQq0 0 0 rgBT /Overlock 10 T 1717-1720.	3.7	6
187	Design optimization of quantum cascade laser structures at $\lambda = 11.2 \mu\text{m}$. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 2190-2197.	1.8	6
188	Optical absorption enhancement of embedded Ag nanoparticles with ZnO nanorod arrays. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2778-2782.	1.8	6
189	Enhanced Light Extraction of GaN-Based Green Light-Emitting Diodes With GaOOH Rods. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 285-287.	2.5	6
190	Diffuse light scattering properties of nanocracked and porous MoO ₃ films self-formed by electrodeposition and thermal annealing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2161-2166.	1.8	6
191	Preparation of ZnO nanorods on cellulose fiber paper and their charge-generating application for waste paper recycling. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 985-988.	2.4	6
192	Optical performance improvement of semi-transparent metal film electrodes with biomimetic subwavelength gratings for high-performance optoelectronic device applications. <i>RSC Advances</i> , 2015, 5, 84865-84871.	3.6	6
193	Designing hierarchical NiCo ₂ S ₄ nanospheres with enhanced electrochemical performance for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1033-1044.	2.5	6
194	Electrochemical performance of SnO ₂ rods and SnO ₂ /rGO, SnO ₂ /MWCNTs composite materials as an anode for lithium-ion battery application-A comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7619-7629.	2.2	6
195	Effect of Mg doping on the electrical, dielectric and relaxation properties of LiMnPO ₄ nanoparticles. <i>Indian Journal of Physics</i> , 2022, 96, 1017-1023.	1.8	6
196	Hierarchical multi-metal-doped mesoporous NiO-silica nanoparticles towards a viable platform for Li-ion battery electrode application. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1959-1967.	2.7	6
197	Preparation of NiAl ₂ O ₄ /SiO ₂ and Co ²⁺ -Doped NiAl ₂ O ₄ /SiO ₂ Nanocomposites by the Sol-Gel Route. <i>Journal of the American Ceramic Society</i> , 2006, 89, 060427083300002-???	3.8	5
198	Characteristics of terahertz pulses from antireflective GaAs surfaces with nanopillars. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	5

#	ARTICLE	IF	CITATIONS
199	Temperature and injection current dependent optical and thermal characteristics of InGaN-based green large-area light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2479-2484.	1.8	5
200	Synthesis of nanocrystalline LiCoO_2 powders by polymeric combustion process: an investigation on the effect of different carboxylic acids as fuel. <i>International Journal of Higher Education Management</i> , 2015, 1, 105-112.	1.3	5
201	Ion and electron-conducting additive effect on Li-ion charge storage performance of $\text{CuFe}_2\text{O}_4/\text{SiO}_2$ composite aerogel anode. <i>Ceramics International</i> , 2020, 46, 25330-25340.	4.8	5
202	Evolution of $\text{Er}^{3+}/\text{Yb}^{3+}$ -codoped NaGdF_4 nanorods at room temperature for non-contact nanothermometer and optical heater. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	5
203	High capacity performance of NiCo_2O_4 nanostructures as a binder-free anode material for lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 13355-13364.	4.5	5
204	Microwave hydrothermal synthesis and electrochemical characterization of NiMoO_4 nanosheets/ SnO_2 nanospheres/ rGO nanocomposite as high-performance anode for lithium-ion batteries. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108916.	3.9	5
205	Facile synthesis of MgCo_2O_4 hexagonal nanostructure via co-precipitation approach and its supercapacitive properties. <i>International Journal of Energy Research</i> , 2022, 46, 7788-7798.	4.5	5
206	Effects of point defect healing on phosphorus implanted germanium n+/p junction and its thermal stability. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	4
207	Electrospun nanocomposite fibrous polymer electrolyte for secondary lithium battery applications. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	4
208	Design and characteristics of low-resistance lithium-ion battery pack and its fast charging method for smart phones. <i>International Journal of Energy Research</i> , 2021, 45, 17631-17646.	4.5	4
209	Tailoring the surface in copper manganese oxide materials and enhanced redox nature by graphitic carbon nitride sheets with ultra-long life for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21448-21460.	10.3	4
210	ZnO Nanoflakes Embedded Polymer Matrix for High-Performance Mechanical Energy Harvesting. <i>Advanced Materials Technologies</i> , 2022, 7, 2100858.	5.8	4
211	Effects of activated Sr^{2+} ion content on strong blue-emitting $\text{Ca}_2\text{Sb}_2\text{O}_7$ materials for high-quality WLED devices. <i>International Journal of Energy Research</i> , 0, , .	4.5	4
212	Influence of etching process parameters on the antireflection property of Si SWSs by thermally dewetted Ag and Ag/SiO_2 nanopatterns. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1902-1907.	1.8	3
213	Efficient piezoelectric ZnO nanogenerators based on Au-coated silica sphere array electrode. <i>Nanoscale Research Letters</i> , 2013, 8, 511.	5.7	3
214	Optical, spectral, and thermal analyses of InGaN/GaN near-ultraviolet flip-chip light-emitting diodes with different package structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600741.	1.8	3
215	Large-area growth of multi-layered MoS_2 for violet ($\lambda \sim 405 \text{ nm}$) photodetector applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700221.	1.8	3
216	One-Pot Synthesis of Homogeneous EuF_3 Nanoplates: A Near-Ultraviolet Light-Induced Red-Emitting Bifunctional Platform for <i>in vitro</i> Cell Imaging and Solid-State Lighting. <i>ChemistrySelect</i> , 2019, 4, 2275-2280.	1.5	3

#	ARTICLE	IF	CITATIONS
217	Nanosilver-Particles Integrated Ni ₃ Sn ₂ S ₂ -CoS Composite as an Advanced Electrode for High Energy Density Hybrid Cell. Small Methods, 2021, 5, e2100907.	8.6	3
218	Mn ₂ V ₂ O ₇ spiked ball-like material as bifunctional oxygen catalyst for zinc-air batteries. International Journal of Energy Research, 2022, 46, 13528-13540.	4.5	3
219	Coupling coefficient calculation of laterally coupled distributed feedback laser structure with metal surface gratings. , 2008, , .		2
220	1.3- μ m Laterally Tapered Ridge Waveguide DFB Lasers With Second-Order Cr Surface Gratings. IEEE Photonics Technology Letters, 2010, , .	2.5	2
221	Optimization of THz semi-insulating surface plasmon waveguide structures of GaSb/AlSb quantum cascade lasers. Journal of the Korean Physical Society, 2012, 61, 1365-1369.	0.7	2
222	Characteristics and simulation analysis of GaN-based vertical light emitting diodes via wafer-level additional surface roughening process. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1168-1173.	1.8	2
223	Rational design of SnO ₂ nanoflakes as a stable and high rate anode for lithium-ion batteries. Journal of Materials Science: Materials in Electronics, 2020, 31, 8556-8563.	2.2	2
224	Strong Light-Extraction Enhancement of GaN-Based Light-Emitting Diodes with Top and Sidewall GaOOH Nanorod Arrays. Japanese Journal of Applied Physics, 2012, 51, 102102.	1.5	2
225	Nitrogen- and carbon-rich Ni ₂ O ₃ nanolayer shielded Ni ₃ C elongated square bipyramidal-like nanostructures for hybrid supercapacitors. International Journal of Energy Research, 2022, 46, 4895-4907.	4.5	2
226	Synthesis of SiO ₂ -CoFe ₂ O ₄ nanocomposite by Base Catalyst Assisted In-situ Sol-Gel Process. , 2010, , .		1
227	Analysis and design of waveguide structures for InGaAs/InAlAs quantum cascade lasers at $\lambda = 4.6 - 9.5 \mu\text{m}$. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2900-2906.	1.8	1
228	Mesoporous and hierarchical manganese dioxide nanoplates/nanowalls on Ni/PET conductive fabric. Physica Status Solidi - Rapid Research Letters, 2012, 6, 385-387.	2.4	1
229	Optical studies of ZnO nanoparticles and 1-D nanofibers. AIP Conference Proceedings, 2013, , .	0.4	1
230	Synthesis, characterization and conductivity studies of ZnFe ₂ O ₄ nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	1
231	Effect of device package on optical, spectral, and thermal properties of InGaN/GaN near-ultraviolet lateral light-emitting diodes. Journal of the Korean Physical Society, 2017, 71, 319-324.	0.7	1
232	Theoretical analysis of polarization characteristics of InGaN/GaN LEDs with photonic crystals. , 2009, , .		0
233	Design and fabrication of nanoscale antireflection structures with linearly graded refractive index. , 2010, , .		0
234	Thermal characteristics of InP-based mid-infrared quantum cascade lasers at $\lambda = 8.8 \mu\text{m}$. Journal of the Korean Physical Society, 2012, 60, 1757-1761.	0.7	0

#	ARTICLE	IF	CITATIONS
235	Structural and ionic conductivity studies of electrospun polymer blend P(VdF-co-HFP)/PMMA electrolyte membrane for lithium battery application. AIP Conference Proceedings, 2015, , .	0.4	0
236	Surface modification and characterization of nanocrystalline $\text{LiNi}_{0.5}\text{Co}_{0.5}\text{VO}_4$ with Dy_2O_3 by polymeric resin process. International Journal of Higher Education Management, 2015, 1, 100-104.	1.3	0
237	Strongly enhanced emission of terahertz radiation from nanostructured Ge surfaces. , 2015, , .		0
238	Cation Substitution Induced Enhanced Photoluminescence Properties of $\text{Gd}_2(\text{1}^{\wedge})\text{x}$ Y_2x Mo Phosphors for Indoor Lighting. Applied Science and Convergence Technology, 2018, 27, 52-55.		
239	Carbon-embedded mesoporous transition multimetal oxide nanospheres for long-lasting hybrid cells. International Journal of Energy Research, 0, , .	4.5	0