Narsimlu daulatabad

List of Publications by Year
in descending order

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	Effect of Mg doping on the electrical, dielectric and relaxation properties of LiMnPO4 nanoparticles. Indian Journal of Physics, 2022, 96, 1017-1023.	1.8	6
2	Biomassâ€derived ant colonyâ€like ion diffused redox porous carbon toward economical and highâ€performance quasiâ€solidâ€state supercapacitor. International Journal of Energy Research, 2022, 46, 1593-1608.	4.5	7
3	ZnO Nanoflakes Embedded Polymer Matrix for Highâ€Performance Mechanical Energy Harvesting. Advanced Materials Technologies, 2022, 7, 2100858.	5.8	4
4	Recent Advanced Development of Artificial Interphase Engineering for Stable Sodium Metal Anodes. Small, 2022, 18, e2102250.	10.0	46
5	Nitrogenâ€and carbonâ€rich<scp>Ni₂O₃</scp>nanolayer shielded<scp>Ni₃C</scp>elongated square bipyramidalâ€like nanostructures for hybrid supercapacitors. International Journal of Energy Research, 2022, 46, 4895-4907.	4.5	2
6	rGOâ€ZnSnO₃ Nanostructureâ€Embedded Triboelectric Polymerâ€Based Hybridized Nanogenerators. Advanced Materials Technologies, 2022, 7, .	5.8	11
7	Unraveling CoNiPâ€'CoP₂ 3Dâ€onâ€1D Hybrid Nanoarchitecture for Longâ€Lasting Electrochemical Hybrid Cells and Oxygen Evolution Reaction. Advanced Science, 2022, 9, e2104877.	11.2	26
8	Prussianâ€Blue Analogueâ€Derived Hollow Structured Co₃S₄/CuS₂/NiS₂ Nanocubes as an Advanced Batteryâ€Type Electrode Material for Highâ€Performance Hybrid Supercapacitors. Small, 2022, 18, e2105185.	10.0	35
9	Hierarchical multi-metal-doped mesoporous NiO-silica nanoparticles towards a viable platform for Li-ion battery electrode application. Korean Journal of Chemical Engineering, 2022, 39, 1959-1967.	2.7	6
10	Facile synthesis of <scp> MgCo ₂ O ₄ </scp> hexagonal nanostructure via coâ€precipitation approach and its supercapacitive properties. International Journal of Energy Research, 2022, 46, 7788-7798.	4.5	5
11	Review on the recent progress in the nanocomposite polymer electrolytes on the performance of lithiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 7137-7174.	4.5	11
12	Transition metal dichalcogenide nanostructured electrodes without calcination for aqueous asymmetric supercapacitors. International Journal of Energy Research, 2022, 46, 9414-9430.	4.5	7
13	An Efficient Power Management System Using Dynamically Configured Multiple Triboelectric Nanogenerators and Dualâ€Parameter Maximum Power Point Tracking. Advanced Energy Materials, 2022, 12, .	19.5	8
14	Highâ€Efficiency Poly(Vinylidene Fluorideâ€Coâ€Hexafluoropropylene) Loaded 3D Marigold Flowerâ€Like Bismuth Tungstate Triboelectric Films for Mechanical Energy Harvesting and Sensing Applications. Small, 2022, 18, e2200822.	10.0	10
15	Regulating Dendriteâ€Free Zinc Deposition by Red Phosphorousâ€Derived Artificial Protective Layer for Zinc Metal Batteries. Advanced Science, 2022, 9, e2200155.	11.2	41
16	Structural and electrochemical properties of mesoporous <scp> FeVO ₄ </scp> as a negative electrode for lithiumâ€ion battery. International Journal of Energy Research, 2022, 46, 13590-13601.	4.5	8
17	<scp> Mn ₂ V ₂ O ₇ </scp> spiked ballâ€like material as bifunctional oxygen catalyst for zincâ€air batteries. International Journal of Energy Research, 2022, 46, 13528-13540.	4.5	3
18	High-sensitivity luminescent thermometer based on Mn4+/Sm3+ dual-emission centers in double-perovskite tellurate. Ceramics International, 2022, 48, 27664-27671.	4.8	24

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19	Cerium vanadate/carbon nanotube hybrid composite nanostructures as a high-performance anode material for lithium-ion batteries. Journal of Energy Chemistry, 2021, 58, 25-32.	12.9	34
20	Excellent photoluminescence and cathodoluminescence properties in Eu3+-activated Sr2LaNbO6 materials for multifunctional applications. Chemical Engineering Journal, 2021, 406, 127154.	12.7	113
21	Ternary MOF-Based Redox Active Sites Enabled 3D-on-2D Nanoarchitectured Battery-Type Electrodes for High-Energy-Density Supercapatteries. Nano-Micro Letters, 2021, 13, 17.	27.0	64
22	Electrochemical performance of SnO2 rods and SnO2/rGO, SnO2/MWCNTs composite materials as an anode for lithium-ion battery application-A comparative study. Journal of Materials Science: Materials in Electronics, 2021, 32, 7619-7629.	2.2	6
23	High capacity performance of <scp> NiCo ₂ O ₄ </scp> nanostructures as a binderâ€free anode material for <scp>lithiumâ€ion</scp> batteries. International Journal of Energy Research, 2021, 45, 13355-13364.	4.5	5
24	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
25	Strong Green Emission of Erbium(III)-Activated La₂MgTiO₆ Phosphors for Solid-State Lighting and Optical Temperature Sensors. ACS Sustainable Chemistry and Engineering, 2021, 9, 5105-5115.	6.7	55
26	Charge transfer band excitation of La₃NbO₇:Sm³⁺ phosphors induced abnormal thermal quenching toward highâ€sensitivity thermometers. Journal of the American Ceramic Society, 2021, 104, 4065-4074.	3.8	21
27	Binderâ€free preparation of bimetallic oxide vertical nanosheet arrays toward highâ€rate performance and energy density supercapacitors. International Journal of Energy Research, 2021, 45, 13999-14009.	4.5	10
28	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
29	Advantageous Occupation of Europium(III) in the B Site of Double-Perovskite Ca₂BBâ€²O₆ (B = Y, Gd, La; Bâ€² = Sb, Nb) Frameworks for White-Light-Emitting Diodes. ACS Sustainable Chemistry and Engineering, 2021, 9, 7960-7972.	6.7	30
30	Design and characteristics of lowâ€resistance lithiumâ€ion battery pack and its fast charging method for smart phones. International Journal of Energy Research, 2021, 45, 17631-17646.	4.5	4
31	Template and solâ€gel routed <scp> CoMn ₂ O ₄ </scp> nanofibers for supercapacitor applications. International Journal of Energy Research, 2021, 45, 19413-19422.	4.5	19
32	Nitrogenâ€doped reduced graphene oxide incorporated porous rodâ€like cobalt molybdate as an anode for highâ€capacity longâ€life lithiumâ€ion batteries. International Journal of Energy Research, 2021, 45, 19509-19520.	4.5	11
33	Oneâ€Pot Hydrothermalâ€Derived NiS₂â€“CoMo₂S₄ with Vertically Aligned Nanorods as a Binderâ€Free Electrode for Coinâ€Cellâ€Type Hybrid Supercapacitor. Small Methods, 2021, 5, e2100335.	8.6	35
34	LiTaO₃-Based Flexible Piezoelectric Nanogenerators for Mechanical Energy Harvesting. ACS Applied Materials & Interfaces, 2021, 13, 46526-46536.	8.0	17
35	3D printed bidirectional rotatory hybrid nanogenerator for mechanical energy harvesting. Nano Energy, 2021, 88, 106250.	16.0	18
36	Microwave hydrothermal synthesis and electrochemical characterization of NiMoO4 nanosheets/SnO2 nanospheres/rGO nanocomposite as high-performance anode for lithium-ion batteries. Inorganic Chemistry Communication, 2021, 133, 108916.	3.9	5

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37	Tailoring the surface in copper manganese oxide materials and enhanced redox nature by graphitic carbon nitride sheets with ultra-long life for electrochemical applications. Journal of Materials Chemistry A, 2021, 9, 21448-21460.	10.3	4
38	Bifunctional application of La₃BWO₉:Bi³⁺,Sm³⁺ phosphors with strong orange-red emission and sensitive temperature sensing properties. Dalton Transactions, 2021, 50, 15187-15197.	3.3	18
39	Nanosilverâ€Particles Integrated Ni₃Sn₂S₂â€CoS Composite as an Advanced Electrode for High Energy Density Hybrid Cell. Small Methods, 2021, 5, e2100907.	8.6	3
40	High coercivity in Î±-Fe2O3 nanostructures synthesized by surfactant-free microwave-assisted solvothermal method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126038.	2.1	9
41	Enhanced energy storage performance of nanocrystalline Sm-doped CoFe2O4 as an effective anode material for Li-ion battery applications. Journal of Solid State Electrochemistry, 2020, 24, 225-236.	2.5	12
42	Ion and electron-conducting additive effect on Li-ion charge storage performance of CuFe2O4/SiO2 composite aerogel anode. Ceramics International, 2020, 46, 25330-25340.	4.8	5
43	Î²-NiS 3D micro-flower-based electrode for aqueous asymmetric supercapacitors. Sustainable Energy and Fuels, 2020, 4, 5550-5559.	4.9	20
44	Thermalâ€couple levels of ⁴S_{3/2} and ²H_{11/2} in Na(Ca,) Tj ETQq0 0 0 rgBT /Overloc Journal of the American Ceramic Society, 2020, 103, 7082-7094.	3.8	20
45	Metalâ€“Organic Frameworkâ€Derived Co₃V₂O₈@CuV₂O₆ Hybrid Architecture as a Multifunctional Binderâ€Free Electrode for Liâ€Ion Batteries and Hybrid Supercapacitors. Small, 2020, 16, e2003983.	10.0	68
46	Graphene Matrix Sheathed Metal Vanadate Porous Nanospheres for Enhanced Longevity and High-Rate Energy Storage Devices. ACS Applied Materials & Interfaces, 2020, 12, 27074-27086.	8.0	37
47	Integrated Design of Highly Porous Cellulose-Loaded Polymer-Based Triboelectric Films toward Flexible, Humidity-Resistant, and Sustainable Mechanical Energy Harvesters. ACS Energy Letters, 2020, 5, 2140-2148.	17.4	68
48	Evolution of Er3+/Yb3+-codoped NaGdF4 nanorods at room temperature for non-contact nanothermometer and optical heater. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	5
49	Label-Free Surface-Enhanced Raman Spectroscopy Biosensor for On-Site Breast Cancer Detection Using Human Tears. ACS Applied Materials & Interfaces, 2020, 12, 7897-7904.	8.0	83
50	Rational design of SnO2 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
51	Designing hierarchical NiCo2S4 nanospheres with enhanced electrochemical performance for supercapacitors. Journal of Solid State Electrochemistry, 2020, 24, 1033-1044.	2.5	6
52	Enhanced ionic conductivity of electrospun nanocomposite (PVDFâ€HFPâ€‰+â€‰TiO 2 nanofibers fillers) polymer fibrous membrane electrolyte for DSSC application. Polymer Composites, 2019, 40, 1585-1594.	4.6	101
53	Multifunctional core-shell-like nanoarchitectures for hybrid supercapacitors with high capacity and long-term cycling durability. Nano Research, 2019, 12, 2597-2608.	10.4	31
54	Facile synthesis of MoO3/rGO nanocomposite as anode materials for high performance lithium-ion battery applications. Journal of Alloys and Compounds, 2019, 810, 151920.	5.5	39

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55	High-Efficiency and Thermally Sustainable Perovskite Solar Cells with Sandpaper-Aided Flexible Haze/Antireflective Films. ACS Sustainable Chemistry and Engineering, 2019, 7, 12981-12989.	6.7	11
56	Wearable Single-Electrode-Mode Triboelectric Nanogenerator via Conductive Polymer-Coated Textiles for Self-Power Electronics. ACS Sustainable Chemistry and Engineering, 2019, 7, 16450-16458.	6.7	109
57	High-performance quasi-solid-state asymmetric supercapacitors based on BiMn2O5 nanoparticles and redox-additive electrolytes. Inorganic Chemistry Frontiers, 2019, 6, 2061-2070.	6.0	12
58	Samarium(<scp>iii</scp>) and terbium(<scp>iii</scp>) ion-doped NaLa(MoO₄)₂ phosphors for versatile applications. New Journal of Chemistry, 2019, 43, 10645-10657.	2.8	34
59	Role of quercetin and caloric restriction on the biomolecular composition of aged rat cerebral cortex: An FTIR study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 220, 117128.	3.9	8
60	Electrospun Nanocomposite Agâ€“ZnO Nanofibrous Photoanode for Better Performance of Dye-Sensitized Solar Cells. Journal of Electronic Materials, 2019, 48, 4389-4399.	2.2	11
61	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
62	An Integrated Approach Toward Renewable Energy Storage Using Rechargeable Ag@Ni_{0.67}Co_{0.33}Sâ€Based Hybrid Supercapacitors. Small, 2019, 15, e1805418.	10.0	101
63	Nearâ€ultraviolet lightâ€“induced dazzling red emission in CaGd₂(MoO₄)₄:2xSm³⁺ compounds for phosphorâ€converted WLEDs. Journal of the American Ceramic Society, 2019, 102, 5353-5364.	3.8	40
64	Designing chain-like nickel pyro-vanadate porous spheres as an advanced electrode material for supercapacitors. Inorganic Chemistry Frontiers, 2019, 6, 1087-1096.	6.0	14
65	Facile preparation of Eu³⁺-activated Ca₇(VO₄)₄O nanoparticles: a blue light-triggered red-emitting platform for indoor solid-state lighting. New Journal of Chemistry, 2019, 43, 6688-6695.	2.8	32
66	Oneâ€Pot Synthesis of Homogeneous EuF₃ Nanoplates: A Nearâ€Ultraviolet Lightâ€Induced Redâ€Emitting Bifunctional Platform for inâ€…vitro Cell Imaging and Solidâ€State Lighting. ChemistrySelect, 2019, 4, 2275-2280.	1.5	3
67	Humidity Sustained Wearable Pouchâ€Type Triboelectric Nanogenerator for Harvesting Mechanical Energy from Human Activities. Advanced Functional Materials, 2019, 29, 1807779.	14.9	99
68	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
69	Structural, electrical, and dielectric properties of nickel-doped spinel LiMn2O4 nanorods. Ionics, 2019, 25, 981-990.	2.4	15
70	High conducting nanocomposite electrospun PVDF-HFP/ $$\hbox {TiO}_{2}$$ TiO 2 quasi-solid electrolyte for dye-sensitized solar cell. Journal of Materials Science: Materials in Electronics, 2019, 30, 1199-1213.	2.2	23
71	Ba3P4O13:Eu3+ phosphors with high thermal stability and high internal quantum efficiency for near-ultraviolet white light-emitting diodes. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	9
72	Conductivity and dielectric permittivity studies of Klâ€based nanocomposite (PEO/PMMA/KI/I₂/ZnO nanorods) polymer solid electrolytes. Polymer Composites, 2019, 40, 2919-2928.	4.6	26

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73	Structural characterization, electrical conductivity and open circuit voltage studies of the nanocrystalline La10Si6O27 electrolyte material for SOFCs. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
74	Energy Back Transfer Induced Color Controllable Upconversion Emissions in La₂MoO₆:Er³⁺/Yb³⁺ Nanocrystals for Versatile Applications. Particle and Particle Systems Characterization, 2018, 35, 1700416.	2.3	41
75	Electrospun Snâ€“SnO2/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
76	Synthesis of Er(III)/Yb(III)-doped BiF3 upconversion nanoparticles for use in optical thermometry. Mikrochimica Acta, 2018, 185, 237.	5.0	58
77	High-performance pouch-type hybrid supercapacitor based on hierarchical NiO-Co3O4-NiO composite nanoarchitectures as an advanced electrode material. Nano Energy, 2018, 48, 81-92.	16.0	251
78	Triboelectric nanogenerators with gold-thin-film-coated conductive textile as floating electrode for scavenging wind energy. Nano Research, 2018, 11, 101-113.	10.4	47
79	Utilizing Waste Cable Wires for Highâ€Performance Fiberâ€Based Hybrid Supercapacitors: An Effective Approach to Electronicâ€Waste Management. Advanced Energy Materials, 2018, 8, 1702201.	19.5	140
80	Surfactant-free microwave hydrothermal synthesis of SnO2 nanosheets as an anode material for lithium battery applications. Ceramics International, 2018, 44, 201-207.	4.8	38
81	Ultrafast synthesis of bifunctional Er3+/Yb3+-codoped NaBiF4 upconverting nanoparticles for nanothermometer and optical heater. Journal of Colloid and Interface Science, 2018, 514, 172-181.	9.4	167
82	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. Journal of Colloid and Interface Science, 2018, 513, 843-851.	9.4	44
83	Hierarchically Designed Ag@Ce₆Mo₁₀O₃₉ Marigold Flower-Like Architectures: An Efficient Electrode Material for Hybrid Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 36976-36987.	8.0	40
84	Surfactant-free microwave-hydrothermal synthesis of SnO2 flower-like structures as an anode material for lithium-ion batteries. Materialia, 2018, 4, 276-281.	2.7	14
85	Enhanced electrochemical performance of MnCo2O4 nanorods synthesized via microwave hydrothermal method for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 21194-21204.	2.2	26
86	Near-Infrared Light-Triggered Visible Upconversion Emissions in Er³⁺/Yb³⁺-Codoped Y₂Mo₄O₁₅ Microparticles for Simultaneous Noncontact Optical Thermometry and Solid-State Lighting. Industrial & Engineering Chemistry Research, 2018, 57, 13077-13086.	3.7	37
87	Enabling redox chemistry with hierarchically designed bilayered nanoarchitectures for pouch-type hybrid supercapacitors: A sunlight-driven rechargeable energy storage system to portable electronics. Nano Energy, 2018, 50, 448-461.	16.0	75
88	Shapeâ€Tunable Selective Synthesis of Bismuth Fluoride Nanostructures for Versatile Applications. Particle and Particle Systems Characterization, 2018, 35, 1800018.	2.3	8
89	Achieving a High Areal Capacity with a Binder-Free Copper Molybdate Nanocone Array-Based Positive Electrode for Hybrid Supercapacitors. Inorganic Chemistry, 2018, 57, 8440-8450.	4.0	30
90	Enhanced Performance of Microarchitectured PTFE-Based Triboelectric Nanogenerator via Simple Thermal Imprinting Lithography for Self-Powered Electronics. ACS Applied Materials & Interfaces, 2018, 10, 24181-24192.	8.0	87

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91	Microwave-assisted hydrothermal synthesis of SnO2/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
92	High Capacity Electrospun MgFe₂O₄â€“C Composite Nanofibers as an Anode Material for Lithium Ion Batteries. ChemistrySelect, 2018, 3, 8010-8017.	1.5	19
93	Enhancing the output performance of hybrid nanogenerators based on Al-doped BaTiO₃ composite films: a self-powered utility system for portable electronics. Journal of Materials Chemistry A, 2018, 6, 16101-16110.	10.3	63
94	High-Performance Flexible Piezoelectric-Assisted Triboelectric Hybrid Nanogenerator via Polydimethylsiloxane-Encapsulated Nanoflower-like ZnO Composite Films for Scavenging Energy from Daily Human Activities. ACS Sustainable Chemistry and Engineering, 2018, 6, 8525-8535.	6.7	82
95	Rational design of forest-like nickel sulfide hierarchical architectures with ultrahigh areal capacity as a binder-free cathode material for hybrid supercapacitors. Journal of Materials Chemistry A, 2018, 6, 13178-13190.	10.3	82
96	Paper-Based Surface-Enhanced Raman Spectroscopy for Diagnosing Prenatal Diseases in Women. ACS Nano, 2018, 12, 7100-7108.	14.6	101
97	Microwave hydrothermal synthesis of Î±-MnMoO₄nanorods for high electrochemical performance supercapacitors. RSC Advances, 2018, 8, 22559-22568.	3.6	29
98	Cation Substitution Induced Enhanced Photoluminescence Properties of Gd_{2(1â^'}_x_{â^'}_y₎Y₂_x<sub>Mo<s Phosphors for Indoor Lighting. Applied Science and Convergence Technology, 2018, 27, 52-55.	0.5	0
99	Optical, spectral, and thermal analyses of InGaN/GaN nearâ€ultraviolet flipâ€chip lightâ€emitting diodes with different package structures. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600741.	1.8	3
100	Broad near-ultraviolet and blue excitation band induced dazzling red emissions in Eu³⁺-activated Gd₂MoO₆ phosphors for white light-emitting diodes. RSC Advances, 2017, 7, 3170-3178.	3.6	96
101	Broad red-emission of Sr₃Y₂Ge₃O₁₂:Eu²⁺ garnet phosphors under blue excitation for warm WLED applications. RSC Advances, 2017, 7, 13281-13288.	3.6	52
102	Highly Reproducible Au-Decorated ZnO Nanorod Array on a Graphite Sensor for Classification of Human Aqueous Humors. ACS Applied Materials & Interfaces, 2017, 9, 5891-5899.	8.0	52
103	Upconversion emission and cathodoluminescence of Er3+-doped NaYbF4 nanoparticles for low-temperature thermometry and field emission displays. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	10
104	Rare-earth free self-luminescent Ca2KZn2(VO4)3 phosphors for intense white light-emitting diodes. Scientific Reports, 2017, 7, 42348.	3.3	68
105	Conductive silver nanowires-fenced carbon cloth fibers-supported layered double hydroxide nanosheets as a flexible and binder-free electrode for high-performance asymmetric supercapacitors. Nano Energy, 2017, 36, 58-67.	16.0	291
106	Tunable color upconverison emissions in erbium(III)-doped BiOCl microplates for simultaneous thermometry and optical heating. Mikrochimica Acta, 2017, 184, 2661-2669.	5.0	39
107	Morphology-controlled facile surfactant-free synthesis of 3D flower-like BiOI:Eu³⁺ or Tb³⁺ microarchitectures and their photoluminescence properties. Journal of Materials Chemistry C, 2017, 5, 6880-6890.	5.5	17
108	Ultrathin nickel hydroxide nanosheet arrays grafted biomass-derived honeycomb-like porous carbon with improved electrochemical performance as a supercapacitive material. Scientific Reports, 2017, 7, 45201.	3.3	58

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109	Evolution of CaGd₂ZnO₅:Eu³⁺ nanostructures for rapid visualization of latent fingerprints. Journal of Materials Chemistry C, 2017, 5, 4246-4256.	5.5	69
110	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. Journal of Materials Chemistry A, 2017, 5, 2224-2234.	10.3	55
111	Wearable Fabrics with Self-Branched Bimetallic Layered Double Hydroxide Coaxial Nanostructures for Hybrid Supercapacitors. ACS Nano, 2017, 11, 10860-10874.	14.6	259
112	Simultaneous phase and size manipulation in NaYF₄:Er³⁺/Yb³⁺ upconverting nanoparticles for a non-invasion optical thermometer. New Journal of Chemistry, 2017, 41, 13855-13861.	2.8	54
113	Yb³⁺-Concentration dependent upconversion luminescence and temperature sensing behavior in Yb³⁺/Er³⁺ codoped Gd₂MoO₆ nanocrystals prepared by a facile citric-assisted solâ€“gel method. Inorganic Chemistry Frontiers, 2017, 4, 1987-1995.	6.0	138
114	Red and green colors emitting spherical-shaped calcium molybdate nanophosphors for enhanced latent fingerprint detection. Scientific Reports, 2017, 7, 11571.	3.3	53
115	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
116	Eu3+-activated La2MoO6-La2WO6 red-emitting phosphors with ultrabroad excitation band for white light-emitting diodes. Scientific Reports, 2017, 7, 11953.	3.3	58
117	Designed construction of yolkâ€“shell structured trimanganese tetraoxide nanospheres via polar solvent-assisted etching and biomass-derived activated porous carbon materials for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 15808-15821.	10.3	57
118	Biomimetic nano/micro double-textured silicon with outstanding antireflective and super-hydrophilic surfaces for high optical performance. RSC Advances, 2017, 7, 33757-33763.	3.6	8
119	Largeâ€area growth of multiâ€layered MoS₂ for violet (â¼405â€‰nm) photodetector applications. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700221.	1.8	3
120	Photoluminescence, cathodoluminescence and thermal stability of Sm³⁺â€activated Sr₃La(VO₄)₃ redâ€emitting phosphors. Luminescence, 2017, 32, 1504-1510.	2.9	22
121	Synthesis, characterization and electrical properties of mesoporous nanocrystalline CoFe2O4 as a negative electrode material for lithium battery applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 17208-17214.	2.2	12
122	Symbiotic organism search algorithm for simulation of J-V characteristics and optimizing internal parameters of DSSC developed using electrospun TiO2 nanofibers. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	12
123	Metallic Layered Polyester Fabric Enabled Nickel Selenide Nanostructures as Highly Conductive and Binderless Electrode with Superior Energy Storage Performance. Advanced Energy Materials, 2017, 7, 1601362.	19.5	259
124	Metal-Semiconductor-Metal Near-Ultraviolet (~380Ânm) Photodetectors by Selective Area Growth of ZnO Nanorods and SiO2 Passivation. Nanoscale Research Letters, 2016, 11, 333.	5.7	28
125	Photoluminescence and cathodoluminescence properties of Sr2Gd8Si6O26:RE3+(RE3+=Tb3+or Sm3+) phosphors. Journal of Luminescence, 2016, 178, 183-191.	3.1	17
126	CH₃NH₃PbI₃planar perovskite solar cells with antireflection and self-cleaning function layers. Journal of Materials Chemistry A, 2016, 4, 7573-7579.	10.3	78

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127	Tunable emissions via the white region from Sr₂Gd₈(SiO₄)₆O₂:RE³⁺ (RE³⁺: Dy³⁺, Tm³⁺, Eu³⁺) phosphors. New Journal of Chemistry, 2016, 40, 6214-6227.	2.8	24
128	Facile synthesis of Er³⁺/Yb³⁺-codoped NaYF₄ nanoparticles: a promising multifunctional upconverting luminescent material for versatile applications. RSC Advances, 2016, 6, 94539-94546.	3.6	61
129	Thermal-tolerant polymers with antireflective and hydrophobic grooved subwavelength grating surfaces for high-performance optics. RSC Advances, 2016, 6, 79755-79762.	3.6	9
130	Hierarchical structured polymers for light-absorption enhancement of silicon-based solar power systems. RSC Advances, 2016, 6, 55159-55166.	3.6	13
131	Electrical and electrochemical studies of nanocrystalline mesoporous MgFe2O4 as anode material for lithium battery applications. Ceramics International, 2016, 42, 16789-16797.	4.8	42
132	Temperatureâ€dependent optical, spectral, and thermal characteristics of InGaN/GaN nearâ€ultraviolet lightâ€emitting diodes. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 46-51.	1.8	7
133	An Ultrahighâ€Performance Photodetector based on a Perovskiteâ€“Transitionâ€Metalâ€Dichalcogenide Hybrid Structure. Advanced Materials, 2016, 28, 7799-7806.	21.0	242
134	Controlled synthesis of yttrium gallium garnet spherical nanostructures modified by silver oxide nanoparticles for enhanced photocatalytic properties. CrystEngComm, 2016, 18, 8915-8925.	2.6	10
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