

Jae Su Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

434
papers

12,222
citations

54
h-index

83
g-index

460
ext. papers

14,571
ext. citations

6
avg, IF

7.57
L-index

#	Paper	IF	Citations
434	Unraveling CoNiP-CoP 3D-on-1D Hybrid Nanoarchitecture for Long-Lasting Electrochemical Hybrid Cells and Oxygen Evolution Reaction.. <i>Advanced Science</i> , 2022 , e2104877	13.6	3
433	Prussian-Blue Analogue-Derived Hollow Structured Co S /CuS /NiS Nanocubes as an Advanced Battery-Type Electrode Material for High-Performance Hybrid Supercapacitors.. <i>Small</i> , 2022 , e2105185	11	2
432	In situ deposited cobalt-magnesium selenates as an advanced electrode for electrochemical energy storage. <i>Journal of Magnesium and Alloys</i> , 2022 ,	8.8	1
431	Dopamine treated SnO ₂ /PVDF composite films for hybrid mechanical energy harvester. <i>Composites Science and Technology</i> , 2022 , 109323	8.6	2
430	Influence of different flux-materials on phase structure, morphology, photoluminescence, thermal stability, and cathodoluminescence in Ba ₂ La _{0.9} Eu _{0.1} SbO ₆ phosphors. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163281	5.7	0
429	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, 2103249	21.8	2
428	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 , e2200822	11	0
427	Efficient CoNi oxysulfide nanoarchitected materials for long-lasting electrochemical cells: Biodegradable parafilm assisted pouch-type cells for portable electronic applications. <i>Composites Part B: Engineering</i> , 2022 , 238, 109915	10	0
426	Regulating Dendrite-Free Zinc Deposition by Red Phosphorous-Derived Artificial Protective Layer for Zinc Metal Batteries.. <i>Advanced Science</i> , 2022 , e2200155	13.6	4
425	Facile one-step electrodeposition synthesis of binder-free Co _x Fe _{3-x} Se ₄ ultrathin nanosheet arrays towards high-performance quasi-solid-state supercapacitors. <i>Applied Surface Science</i> , 2022 , 153613	6.7	1
424	Transition Metal Oxides for Supercapacitors. <i>Advances in Material Research and Technology</i> , 2022 , 267-292		
423	Realizing dual-mode luminescent thermometry with excellent sensing sensitivity in single-phase samarium (III)-doped antimonite phosphors. <i>Journal of Alloys and Compounds</i> , 2022 , 917, 165435	5.7	0
422	Nanosilver-Particles Integrated Ni Sn S -CoS Composite as an Advanced Electrode for High Energy Density Hybrid Cell.. <i>Small Methods</i> , 2021 , 5, e2100907	12.8	2
421	Recent Advanced Development of Artificial Interphase Engineering for Stable Sodium Metal Anodes. <i>Small</i> , 2021 , e2102250	11	5
420	Designing of hierarchical lychee fruit-like cobalt-selenide heterostructures with enhanced performance for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2021 , 401, 139499	6.7	0
419	Y-ZnO Microflowers Embedded Polymeric Composite Films to Enhance the Electrical Performance of Piezo/Tribo Hybrid Nanogenerators for Biomechanical Energy Harvesting and Sensing Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4600-4610	8.3	8
418	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	8.3	11

417	Charge transfer band excitation of La ₃ NbO ₇ :Sm ³⁺ phosphors induced abnormal thermal quenching toward high-sensitivity thermometers. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4065-4074	3.8	8
416	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	3
415	High-performance and robust triboelectric nanogenerators based on optimal microstructured poly(vinyl alcohol) and poly(vinylidene fluoride) polymers for self-powered electronic applications. <i>Energy</i> , 2021 , 223, 120031	7.9	13
414	Natural silk-composite enabled versatile robust triboelectric nanogenerators for smart applications. <i>Nano Energy</i> , 2021 , 83, 105819	17.1	14
413	Multicomponent architected battery-type flexible yarns for high-performance wearable supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 411, 128479	14.7	10
412	Rare-earth-free Sr ₂ YSb _{1-x} O ₆ :xMn ⁴⁺ : Synthesis, structure, luminescence behavior, thermal stability, and applications. <i>Chemical Engineering Journal</i> , 2021 , 412, 128633	14.7	13
411	Three-dimensional flower-like nickel doped cobalt phosphate hydrate microarchitectures for asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 592, 145-155	9.3	6
410	Three-dimensional porous Co ₃ O ₄ hexagonal plates grown on nickel foam as a high-capacity anode material for lithium-ion batteries. <i>Applied Surface Science</i> , 2021 , 551, 148942	6.7	8
409	Advantageous Occupation of Europium(III) in the B Site of Double-Perovskite Ca ₂ B ₂ O ₆ (B = Y, Gd, La; B' = Sb, Nb) Frameworks for White-Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7960-7972	8.3	8
408	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	0
407	Dual-functional platforms toward field emission displays and novel anti-counterfeiting strategy based on rare-earth activated materials. <i>Ceramics International</i> , 2021 , 47, 18003-18011	5.1	3
406	Multi-wall carbon nanotubes decorated MnCo ₂ O _{4.5} hexagonal nanoplates with enhanced electrochemical behavior for high-performance electrochemical capacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 94, 292-301	6.3	4
405	Harsh environment-tolerant and robust triboelectric nanogenerators for mechanical-energy harvesting, sensing, and energy storage in a smart home. <i>Nano Energy</i> , 2021 , 80, 105547	17.1	22
404	Improved performance of nanogenerator via synergetic piezo/triboelectric effects of lithium niobate microparticles embedded composite films. <i>Composites Science and Technology</i> , 2021 , 201, 108540	8.6	15
403	Porous Co-MoS ₂ @Cu ₂ MoS ₄ three-dimensional nanoflowers via in situ sulfurization of Cu ₂ O nanospheres for electrochemical hybrid capacitors. <i>Chemical Engineering Journal</i> , 2021 , 403, 126319	14.7	11
402	Three-dimensional porous SnO ₂ /carbon cloth electrodes for high-performance lithium- and sodium-ion batteries. <i>Applied Surface Science</i> , 2021 , 538, 148033	6.7	13
401	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	8
400	Unveiling one-dimensional mixed-metallic oxysulfide nanorods as an advanced cathode material for hybrid supercapacitors. <i>Journal of Power Sources</i> , 2021 , 482, 228944	8.9	8

399	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	14.7	31
398	Rational Design of Bimetallic Oxide Multi-Nanoarchitectures for High-Rate and Durable Hybrid Supercapacitors. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000793	6.8	7
397	High-performance hybrid supercapacitors based on MOF-derived hollow ternary chalcogenides. <i>Energy Storage Materials</i> , 2021 , 35, 750-760	19.4	44
396	Facile synthesis of MnMoO ₄ @MWCNT and their electrochemical performance in aqueous asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021 , 856, 157874	5.7	13
395	Synthesis and luminescence properties of reddish-orange-emitting Ca ₂ GdNbO ₆ :Sm ³⁺ phosphors with good thermal stability for high CRI white applications. <i>Ceramics International</i> , 2021 , 47, 6059-6067	5.1	19
394	High capacity performance of NiCo ₂ O 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	1
393	Template and sol-gel routed CoMn ₂ O ₄ nanofibers for supercapacitor applications. <i>International Journal of Energy Research</i> , 2021 , 45, 19413	4.5	1
392	One-Pot Hydrothermal-Derived NiS -CoMo S with Vertically Aligned Nanorods as a Binder-Free Electrode for Coin-Cell-Type Hybrid Supercapacitor.. <i>Small Methods</i> , 2021 , 5, e2100335	12.8	6
391	Nano-Ag laminated ternary layered double hydroxides for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 420, 130376	14.7	7
390	LiTaO-Based Flexible Piezoelectric Nanogenerators for Mechanical Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46526-46536	9.5	2
389	Efficient solar light photocatalytic degradation of commercial pharmaceutical drug and dye using rGO-PANI assisted c-ZnO heterojunction nanocomposites. <i>Ceramics International</i> , 2021 , 47, 23770-23780	5.1	4
388	Chelate mediated synthesis of novel Mn ₂ V ₂ O ₇ and MnV ₂ O ₆ materials with hierarchical morphological structures and improved redox behavior via multi-walled carbon nanotubes for asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2021 , 506, 230193	8.9	0
387	Design of a novel WLED structure based on the non-rare-earth Ca ₂ Y(Nb,Sb)O ₆ :Mn ⁴⁺ materials. <i>Ceramics International</i> , 2021 , 47, 24296-24305	5.1	10
386	3D printed bidirectional rotatory hybrid nanogenerator for mechanical energy harvesting. <i>Nano Energy</i> , 2021 , 88, 106250	17.1	3
385	One-pot synthesis of multifunctional graphitic carbon-metal oxide nanocomposite for photocatalytic water purification and supercapacitor applications. <i>Ceramics International</i> , 2021 , 47, 30572-30583	5.1	0
384	Double-excited states of charge transfer band and 4f-4f in single-phase K ₃ Gd(VO ₄) ₂ :Tb ³⁺ /Sm ³⁺ phosphors with superior sensing sensitivity for potential luminescent thermometers. <i>Journal of Materials Science and Technology</i> , 2021 , 91, 148-159	9.1	4
383	Two-dimensional porous NiCo ₂ O ₄ nanostructures for use as advanced high-performance anode material in lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 886, 161224	5.7	2
382	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	13	1

381	Metal-Organic Framework-Derived Co V O @CuV O Hybrid Architecture as a Multifunctional Binder-Free Electrode for Li-Ion Batteries and Hybrid Supercapacitors. <i>Small</i> , 2020 , 16, e2003983	11	25
380	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	9.5	17
379	Exploring the theoretical and experimental optimization of high-performance triboelectric nanogenerators using microarchitected silk cocoon films. <i>Nano Energy</i> , 2020 , 74, 104882	17.1	27
378	Strong red emission with excellent thermal stability in double-perovskite type Ba ₂ GdSbO ₆ :Eu ³⁺ phosphors for potential field-emission displays. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155389	5.7	24
377	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	20.1	44
376	Warm white emission of LaSr ₂ F ₇ :Dy ³⁺ /Eu ³⁺ NPs with excellent thermal stability for indoor illumination. <i>Journal of Materials Science and Technology</i> , 2020 , 54, 230-239	9.1	18
375	An eco-friendly hot-water therapy towards ternary layered double hydroxides laminated flexible fabrics for wearable supercapacities. <i>Nano Energy</i> , 2020 , 76, 105016	17.1	15
374	Designing of ultra-long-life hybrid supercapacitor based on advanced battery-type electrochemical performance from porous nanostructured nickel-doped bimetallic spinel electrodes. <i>Electrochimica Acta</i> , 2020 , 341, 136016	6.7	8
373	Ultrafast preparation of Europium(III) and Terbium(III) activated LaSr ₂ F ₇ nanoparticles for white LEDs and anti-counterfeiting mark. <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154078	5.7	10
372	The effect of Sn doping on the optical properties and thermal stability of rare-earths-doped Na ₃ Gd(VO ₄) ₂ double vanadate materials. <i>Ceramics International</i> , 2020 , 46, 24443-24448	5.1	2
371	Evolution of Er ³⁺ /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	2.6	3
370	Selective combination of highly porous hollow structured bimetallic spinel oxides with improved redox chemistry for electrochemical hybrid capacitor. <i>Energy Storage Materials</i> , 2020 , 27, 405-417	19.4	30
369	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	9.5	41
368	Rational design and construction of nickel molybdate nanohybrid composite for high-performance supercapattery. <i>Applied Surface Science</i> , 2020 , 515, 146023	6.7	10
367	Tunable luminescence and energy transfer behavior of Ba ₃ La ₆ (SiO ₄) ₆ : Er ³⁺ /Eu ³⁺ phosphors for solid-state lighting. <i>Journal of Luminescence</i> , 2020 , 223, 117204	3.8	5
366	Highly porous CNTs knotted cerium oxide hollow tubes with exalted energy storage performance for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020 , 819, 152942	5.7	5
365	Generation of cesium lead halide perovskite nanocrystals via a serially-integrated microreactor system: Sequential anion exchange reaction. <i>Chemical Engineering Journal</i> , 2020 , 384, 123316	14.7	8
364	Piezo/triboelectric hybrid nanogenerators based on Ca-doped barium zirconate titanate embedded composite polymers for wearable electronics. <i>Composites Science and Technology</i> , 2020 , 188, 107963	8.6	29

- 363 UV-light enhanced CO gas sensors based on InGaN nanorods decorated with p-Phenylenediamine-graphene oxide composite. *Sensors and Actuators B: Chemical*, **2020**, 307, 127649 8.5 19
- 362 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 2.6 7
- 361 Ethylene glycol-assisted ultrafast synthesis and luminescent properties of novel multifunctional EuSr₂F₇ and TbSr₂F₇ nanostructures for WLEDs, displays and anti-counterfeiting. *Ceramics International*, **2020**, 46, 8891-8902 5.1 12
- 360 Nucleation promoted synthesis of large-area ReS film for high-speed photodetectors. *Nanotechnology*, **2020**, 31, 115603 3.4 8
- 359 Emission enhancement of bifunctional La₂MoO₆:Sm³⁺ nanoparticles by doping Y³⁺ ions for flexible display and high CRI WLEDs. *Journal of Alloys and Compounds*, **2020**, 820, 153162 5.7 23
- 358 Hierarchical maple leaf-like spinel oxide microarchitectures via a novel eco-friendly approach as a cathode material for aqueous hybrid supercapacitors. *Electrochimica Acta*, **2020**, 364, 137231 6.7 8
- 357 Unveiling multi-channelled 3D porous iron oxide nanostructures with exalted capacity towards high-performance Li-ion battery applications. *Journal of Alloys and Compounds*, **2020**, 846, 156385 5.7 11
- 356 Photoluminescence properties of rare-earth ions-activated Sr₂YF₇ nanoparticles for WLED devices. *Ceramics International*, **2020**, 46, 26646-26659 5.1 8
- 355 Hierarchical iron selenide nanoarchitecture as an advanced anode material for high-performance energy storage devices. *Electrochimica Acta*, **2020**, 356, 136833 6.7 13
- 354 ENiS 3D micro-flower-based electrode for aqueous asymmetric supercapacitors. *Sustainable Energy and Fuels*, **2020**, 4, 5550-5559 5.8 10
- 353 Thermal-couple levels of 4S₃/2 and 2H₁₁/2 in Na(Ca, Sr)La(VO₄)₂:Er³⁺ phosphors for potential optical thermometers. *Journal of the American Ceramic Society*, **2020**, 103, 7082-7094 3.8 11
- 352 Aqueous asymmetric supercapacitors based on ZnCo₂O₄ nanoparticles via facile combustion method. *Journal of Alloys and Compounds*, **2020**, 815, 152456 5.7 35
- 351 Designing hierarchical NiCo₂S₄ nanospheres with enhanced electrochemical performance for supercapacitors. *Journal of Solid State Electrochemistry*, **2020**, 24, 1033-1044 2.6 2
- 350 Ternary MOF-Based Redox Active Sites Enabled 3D-on-2D Nanoarchitected Battery-Type Electrodes for High-Energy-Density Supercapatteries. *Nano-Micro Letters*, **2020**, 13, 17 19.5 19
- 349 An agriculture-inspired nanostrategy towards flexible and highly efficient hybrid supercapacitors using ubiquitous substrates. *Nano Energy*, **2019**, 66, 104054 17.1 25
- 348 Designed lamination of binder-free flexible iron oxide/carbon cloth as high capacity and stable anode material for lithium-ion batteries. *Applied Surface Science*, **2019**, 497, 143795 6.7 13
- 347 Wearable Single-Electrode-Mode Triboelectric Nanogenerator via Conductive Polymer-Coated Textiles for Self-Power Electronics. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16450-16458 8.3 56
- 346 Morphological synergistic behavior on electrochemical performance of battery-type spinel nickel manganese oxides for aqueous hybrid supercapacitors. *Journal of Power Sources*, **2019**, 439, 227088 8.9 13

345	Promotive Effect of MWCNT on ZnCo ₂ O ₄ Hexagonal Plates and Their Application in Aqueous Asymmetric Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A217-A224	3.9	16
344	Enhanced electrochemical performance via PPy encapsulated 3D flower-like bismuth molybdate nanoplates for high-performance supercapacitors. <i>Applied Surface Science</i> , 2019 , 478, 846-856	6.7	11
343	Ethylene glycol assisted low-temperature synthesis of Eu ³⁺ -activated BiF ₃ : Highly efficient red-emitting nanoparticles for field emission displays and near-ultraviolet white light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 789-797	5.7	11
342	Facile Hydrothermal Synthesis and Electrochemical Properties of CaMoO ₄ Nanoparticles for Aqueous Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	4
341	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	6.8	7
340	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	3.6	25
339	Broadband and antireflective characteristics of glancing angle deposited titanium dioxide nanostructures for photovoltaic applications. <i>Thin Solid Films</i> , 2019 , 685, 53-58	2.2	3
338	Eu ³⁺ -activated double perovskite Sr ₃ MoO ₆ phosphors with excellent color purity for high CRI WLEDs and flexible display film. <i>Ceramics International</i> , 2019 , 45, 18604-18613	5.1	37
337	Sol-Gel Routed NiMn ₂ O ₄ Nanofabric Electrode Materials for Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A1950-A1955	3.9	9
336	Rapid design of a core-shell-like metal hydroxide/oxide composite and activated carbon from biomass for high-performance supercapattery applications. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1707-1720	6.8	13
335	Engineering squandered cotton into eco-benign microarchitected triboelectric films for sustainable and highly efficient mechanical energy harvesting. <i>Nano Energy</i> , 2019 , 61, 505-516	17.1	35
334	An Integrated Approach Toward Renewable Energy Storage Using Rechargeable Ag@Ni Co S-Based Hybrid Supercapacitors. <i>Small</i> , 2019 , 15, e1805418	11	67
333	Near-ultraviolet light-induced dazzling red emission in CaGd ₂ (MoO ₄) ₄ :2xSm ³⁺ compounds for phosphor-converted WLEDs. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5353-5364	3.8	33
332	Designing chain-like nickel pyro-vanadate porous spheres as an advanced electrode material for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1087-1096	6.8	6
331	Facile preparation of Eu ³⁺ -activated Ca ₇ (VO ₄) ₄ O nanoparticles: a blue light-triggered red-emitting platform for indoor solid-state lighting. <i>New Journal of Chemistry</i> , 2019 , 43, 6688-6695	3.6	27
330	One-Pot Synthesis of Homogeneous EuF ₃ Nanoplates: A Near-Ultraviolet Light-Induced Red-Emitting Bifunctional Platform for in vitro Cell Imaging and Solid-State Lighting. <i>ChemistrySelect</i> , 2019 , 4, 2275-2280	1.8	2
329	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	20
328	Energy transfer mechanism and tunable emissions from K ₃ La(VO ₄) ₂ :Dy ³⁺ /Eu ³⁺ phosphors and soft-PDMS-based composite films for multifunctional applications. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 1271-1281	5.7	21

327	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	8.3	6
326	Synergistic Effects of Cobalt Molybdate@Phosphate Core-Shell Architectures with Ultrahigh Capacity for Rechargeable Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41245-41257	9.5	28
325	Synthesis and luminescent properties of near-UV excited NaLa(MoO ₄) ₂ :Er ³⁺ phosphors for multifunctional applications. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 152050	5.7	21
324	Humidity Sustained Wearable Pouch-Type Triboelectric Nanogenerator for Harvesting Mechanical Energy from Human Activities. <i>Advanced Functional Materials</i> , 2019 , 29, 1807779	15.6	64
323	Streptavidin activated hydroxyl radicals enhanced photocatalytic and photoelectrochemical properties of membrane-bound like CaMoO ₄ :Eu ³⁺ hybrid structures. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23105-23120	13	16
322	Waste tissue papers templated highly porous Mn ₃ O ₄ hollow microtubes prepared via biomorphic method for pseudocapacitor applications. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 925-932	5.7	17
321	Near-ultraviolet excited Tm ³⁺ and Dy ³⁺ ions co-doped barium lanthanum silica oxide phosphors for white-light applications. <i>Journal of Alloys and Compounds</i> , 2019 , 780, 846-855	5.7	18
320	Cobalt-doped zinc manganese oxide porous nanocubes with controlled morphology as positive electrode for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 361, 1030-1042	14.7	42
319	Broadband near-ultraviolet excited La ₂ Mo ₂ O ₉ :Eu ³⁺ red-emitting phosphors with high color purity for solid-state lighting. <i>Journal of Alloys and Compounds</i> , 2019 , 783, 969-976	5.7	50
318	Rapid synthesis of hexagonal NiCo ₂ O ₄ nanostructures for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2019 , 299, 509-517	6.7	89
317	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	2.6	4
316	Synthesis and luminescence properties of Eu ³⁺ and Dy ³⁺ ions single and co-doped Ba ₂ LaV ₃ O ₁₁ phosphors for white-light applications. <i>Dyes and Pigments</i> , 2019 , 162, 583-589	4.6	15
315	Wearable and durable triboelectric nanogenerators via polyaniline coated cotton textiles as a movement sensor and self-powered system. <i>Nano Energy</i> , 2019 , 55, 305-315	17.1	70
314	Highly stable and redox property-enabled tricopper dimolybdate nanostructures for electrochemical supercapacitors. <i>Applied Surface Science</i> , 2019 , 471, 795-802	6.7	10
313	Real-time detection of the nanoparticle induced phytotoxicity in rice root tip through the visible red emissions of Eu ions. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 499-504	4.2	4
312	Synthesis and luminescence properties of Eu-activated BiF nanoparticles for optical thermometry and fluorescence imaging in rice root.. <i>RSC Advances</i> , 2018 , 8, 6419-6424	3.7	19
311	Ethylene glycol assisted rapid preparation of NaEuF ₄ nanorods with splendid thermal stability for indoor illumination and optical displays. <i>Dyes and Pigments</i> , 2018 , 153, 307-315	4.6	10
310	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 ^{3.1}	3.1	33

309	UV excitation band induced novel Na ₃ Gd(VO ₄) ₂ :RE ³⁺ (RE ³⁺ =Eu ³⁺ or Dy ³⁺ or Sm ³⁺) double vanadate phosphors for solid-state lighting applications. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 218-226	5.7	44
308	Controlled synthesis and upconversion luminescence of Tm ³⁺ -doped NaYbF ₄ nanoparticles for non-invasion optical thermometry. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 926-933	5.7	42
307	TPAOH assisted size-tunable GdO@mSi core-shell nanostructures for multifunctional biomedical applications. <i>Chemical Communications</i> , 2018 , 54, 747-750	5.8	15
306	Local symmetry distortion-induced enhancement of upconversion luminescence in Gd ₂ O ₃ :Ho ³⁺ /Yb ³⁺ /Zn ²⁺ nanoparticles for solid-state lighting and bioimaging. <i>Current Applied Physics</i> , 2018 , 18, 310-316	2.6	12
305	Realizing highly efficient multicolor tunable emissions from Tb ³⁺ and Eu ³⁺ co-doped CaGd ₂ (WO ₄) ₄ phosphors via energy transfer by single ultraviolet excitation for lighting and display applications. <i>Dyes and Pigments</i> , 2018 , 151, 202-210	4.6	42
304	Acid-free approach towards the growth of vertically aligned TiO ₂ nanorods as an efficient photoanode for dye-sensitized solar cells. <i>Materials Research Bulletin</i> , 2018 , 105, 202-209	5.1	9
303	Luminescent properties of Eu-activated GdZnTiO double perovskite red-emitting phosphors for white light-emitting diodes and field emission displays.. <i>RSC Advances</i> , 2018 , 8, 11207-11215	3.7	28
302	Synthesis of Er(III)/Yb(III)-doped BiF upconversion nanoparticles for use in optical thermometry. <i>Mikrochimica Acta</i> , 2018 , 185, 237	5.8	48
301	Boosting Light Harvesting in Perovskite Solar Cells by Biomimetic Inverted Hemispherical Architected Polymer Layer with High Haze Factor as an Antireflective Layer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13113-13123	9.5	38
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299	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	33
298	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	21.8	105
297	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	9.5	40
296	Room-temperature synthesis of near-ultraviolet light-excited Tb-doped NaBiF green-emitting nanoparticles for solid-state lighting.. <i>RSC Advances</i> , 2018 , 8, 26676-26681	3.7	16
295	Synthesis and luminescent properties of Er ³⁺ -activated LaBMoO ₆ green-emitting phosphors for optical thermometry. <i>Materials Research Bulletin</i> , 2018 , 107, 314-320	5.1	28
294	Energy transfer from VO ₄ ³⁻ group to Sm ³⁺ ions in Ba ₃ (VO ₄) ₂ :3xSm ³⁺ microparticles: A bifunctional platform for simultaneous optical thermometer and safety sign. <i>Chemical Engineering Journal</i> , 2018 , 352, 352-359	14.7	88
293	NUV light-induced-visible emissions and dopant concentration-dependent optical thermometric behaviors in Y ₂ Mo ₄ O ₁₅ :2xEr ³⁺ phosphors. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 724-732	5.7	20
292	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	13	44

291	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	8.3	46
290	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	13	60
289	Doping concentration-independent optical thermometric properties in Stark sublevels-based Er ³⁺ -activated BaGd ₂ O ₄ luminescent thermometers. <i>Journal of Luminescence</i> , 2018 , 203, 172-178	3.8	9
288	Paper-Based Surface-Enhanced Raman Spectroscopy for Diagnosing Prenatal Diseases in Women. <i>ACS Nano</i> , 2018 , 12, 7100-7108	16.7	63
287	Hierarchical Ag/TiO ₂ /Si Forest-Like Nano/Micro-Architectures as Antireflective, Plasmonic Photocatalytic, and Self-Cleaning Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1580-1591	8.3	30
286	Ultrafast synthesis of bifunctional Er/Yb-codoped NaBiF upconverting nanoparticles for nanothermometer and optical heater. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 172-181	9.3	122
285	Facile synthesis of bifunctional Eu ³⁺ -activated NaBiF ₄ red-emitting nanoparticles for simultaneous white light-emitting diodes and field emission displays. <i>Chemical Engineering Journal</i> , 2018 , 337, 91-100	14.7	275
284	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	9.3	26
283	Fabrication and optimization of the thermally treated titanium dioxide thin film-based ultraviolet photodetectors. <i>Semiconductor Science and Technology</i> , 2018 , 33, 015020	1.8	2
282	Ant-cave structured MnCO ₃ /Mn ₃ O ₄ microcubes by biopolymer-assisted facile synthesis for high-performance pseudocapacitors. <i>Applied Surface Science</i> , 2018 , 435, 398-405	6.7	29
281	Sol-gel derived barium orthovanadate phosphors for white light-emitting diodes. <i>Dyes and Pigments</i> , 2018 , 150, 44-48	4.6	8
280	Hierarchically Designed Ag@CeMoO Marigold Flower-Like Architectures: An Efficient Electrode Material for Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36976-36987	9.5	25
279	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	3.9	26
278	High-performance and cost-effective triboelectric nanogenerators by sandpaper-assisted micropatterned polytetrafluoroethylene. <i>Energy</i> , 2018 , 165, 677-684	7.9	28
277	Surfactant-Free One-Pot Hydrothermal Growth of Micro-Flower-Like Copper Tin Sulfide Electrode Material for Pseudocapacitor Applications. <i>Journal of the Electrochemical Society</i> , 2018 , 165, E592-E597	3.9	5
276	Highly-flexible piezoelectric nanogenerators with silver nanowires and barium titanate embedded composite films for mechanical energy harvesting. <i>Applied Energy</i> , 2018 , 230, 865-874	10.7	101
275	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	17.1	54
274	Effect of solvents on the morphology and optical properties of rare-earth ions doped BiOBr 3D flower-like microparticles via solvothermal method. <i>Journal of Alloys and Compounds</i> , 2018 , 763, 478-485	5.7	9

273	Hexadentate ligand-assisted wet-chemical approach to rare-earth free self-luminescent cocoon-shaped barium orthovanadate nanoparticles for latent fingerprint visualization. <i>Sensors and Actuators B: Chemical</i> , 2018 , 271, 164-173	8.5	13
272	Shape-Tunable Selective Synthesis of Bismuth Fluoride Nanostructures for Versatile Applications. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800018	3.1	6
271	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	5.1	26
270	Improved light harvesting efficiency of semitransparent organic solar cells enabled by broadband/omnidirectional subwavelength antireflective architectures. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14769-14779	13	29
269	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	1.6	3
268	Versatile host-sensitized white light emission in a single-component K ₃ ZnB ₅ O ₁₀ :Dy ³⁺ phosphor for ultraviolet converted light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 1108-1117	5.7	25
267	Facile pechini synthesis of Sr ₃ Y ₂ Ge ₃ O ₁₂ :Bi ³⁺ /Eu ³⁺ phosphors with tunable emissions and energy transfer for WLEDs. <i>Journal of Alloys and Compounds</i> , 2017 , 703, 361-369	5.7	36
266	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	3.7	76
265	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	3.7	44
264	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	9.5	36
263	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	2.6	7
262	Rare-earth free self-luminescent CaKZn(VO) phosphors for intense white light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 42348	4.9	52
261	(BaSr) ₂ SiO ₄ :Eu ²⁺ nanorods with enhanced luminescence properties as green-emitting phosphors for white LED applications. <i>Dyes and Pigments</i> , 2017 , 142, 447-456	4.6	28
260	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	17.1	222
259	Tunable color upconversion emissions in erbium(III)-doped BiOCl microplates for simultaneous thermometry and optical heating. <i>Mikrochimica Acta</i> , 2017 , 184, 2661-2669	5.8	31
258	Morphology-controlled facile surfactant-free synthesis of 3D flower-like BiOI:Eu ³⁺ or Tb ³⁺ microarchitectures and their photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6880-6890	7.1	14
257	Near-ultraviolet light induced visible emissions in Er ³⁺ -activated La ₂ MoO ₆ nanoparticles for solid-state lighting and non-contact thermometry. <i>Chemical Engineering Journal</i> , 2017 , 327, 109-119	14.7	119
256	Hydrothermal synthesis and application of Ho ³⁺ -activated NaYbF ₄ bifunctional upconverting nanoparticles for in vitro cell imaging and latent fingerprint detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 584-591	8.5	54

255	Near-ultraviolet excitation-based bluish-green emitting K ₂ ZnSiO ₄ :Eu ²⁺ nanophosphors for white light-emitting applications. <i>Dyes and Pigments</i> , 2017 , 145, 37-42	4.6	3
254	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	4.9	44
253	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	7.1	49
252	Ultraviolet radiation excited strong red-emitting LaAlO ₃ :Eu ³⁺ nanophosphors: Synthesis and luminescent properties. <i>Ceramics International</i> , 2017 , 43, 4599-4605	5.1	21
251	Effect of transition metal ion (Nb ⁵⁺) doping on the luminescence properties of self-activated Ca ₂ AgZn ₂ V ₃ O ₁₂ phosphors. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 756-762	5.7	7
250	Device characteristics and thermal analysis of GaN-based vertical light-emitting diodes with different types of packages. <i>Solid-State Electronics</i> , 2017 , 127, 51-56	1.7	1
249	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	13	43
248	Nanopillar-array architected PDMS-based triboelectric nanogenerator integrated with a windmill model for effective wind energy harvesting. <i>Nano Energy</i> , 2017 , 42, 269-281	17.1	93
247	Facile hydrothermal synthesis of Eu ³⁺ -activated NaYF ₄ nanocrystals and their Judd-Ofelt analysis, photoluminescence and cathodoluminescence properties. <i>Current Applied Physics</i> , 2017 , 17, 1662-1669	2.6	6
246	Wearable Fabrics with Self-Branched Bimetallic Layered Double Hydroxide Coaxial Nanostructures for Hybrid Supercapacitors. <i>ACS Nano</i> , 2017 , 11, 10860-10874	16.7	209
245	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	3.6	35
244	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	6.8	105
243	Preparation of Eu ions activated CaLa(SiO) ₃ oxyapatite nanophosphors through two-step surfactant-free method and their optical and electrical properties. <i>Nanotechnology</i> , 2017 , 28, 375601	3.4	7
242	Red and green colors emitting spherical-shaped calcium molybdate nanophosphors for enhanced latent fingerprint detection. <i>Scientific Reports</i> , 2017 , 7, 11571	4.9	30
241	Effect of device package on optical, spectral, and thermal properties of InGaN/GaN near-ultraviolet lateral light-emitting diodes. <i>Journal of the Korean Physical Society</i> , 2017 , 71, 319-324	0.6	0
240	Eu-activated LaMoO ₃ -LaWO ₃ red-emitting phosphors with ultrabroad excitation band for white light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 11953	4.9	45
239	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	13	45
238	Self-activated multicolor emissions in Ca ₂ NaZn ₂ (VO ₄) ₃ :Eu ³⁺ phosphors for simultaneous warm white light-emitting diodes and safety sign. <i>Dyes and Pigments</i> , 2017 , 147, 16-23	4.6	68

237	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	3.7	6
236	Citrate-based sol-gel synthesis of blue- and green-emitting BaLa ₂ WO ₇ :Tm ³⁺ or Er ³⁺ phosphors and their luminescence properties. <i>Materials Research Bulletin</i> , 2017 , 95, 229-234	5.1	17
235	Large-area growth of multi-layered MoS ₂ for violet (~405 nm) photodetector applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1700221	1.6	2
234	Photoluminescence, cathodoluminescence and thermal stability of Sm ³⁺ -activated Sr La(VO) ₄ red-emitting phosphors. <i>Luminescence</i> , 2017 , 32, 1504-1510	2.5	16
233	Enhanced luminescent properties in Eu ³⁺ -activated SrMo _{1-x} W _x O ₄ red-emitting phosphors for solid-state lighting and field-emission displays. <i>Journal of Alloys and Compounds</i> , 2017 , 726, 698-706	5.7	10
232	HMTA-assisted uniform cobalt ions activated copper oxide microspheres with enhanced electrochemical performance for pseudocapacitors. <i>Electrochimica Acta</i> , 2017 , 258, 388-395	6.7	16
231	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	21.8	188
230	Three-dimensional activated porous carbon with meso/macropore structures derived from fallen pine cone flowers: A low-cost counter electrode material in dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 1297-1304	5.7	49
229	Energy transfer and luminescence properties of Ce ³⁺ /Dy ³⁺ co-doped Sr ₃ SiO ₅ phosphors for WLEDs. <i>Ceramics International</i> , 2017 , 43, 2586-2591	5.1	20
228	Sol-gel synthesis of Eu ³⁺ /Bi ³⁺ ions co-doped BaLa ₂ WO ₇ phosphors for red-LEDs under NUV excitation and FEDs applications. <i>Journal of Luminescence</i> , 2017 , 183, 39-47	3.8	38
227	Stannic Oxide Nanoplate-Assembled Hierarchical Microstructures: Synthesis and Photocatalytic Properties. <i>Science of Advanced Materials</i> , 2017 , 9, 1169-1173	2.3	5
226	Hierarchical Ni-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, 812-2577	5.7	261
225	Energy transfer and color-tunable luminescence properties of NaCaBO ₃ :RE ³⁺ (RE ³⁺ = Tm ³⁺ , Dy ³⁺ , Tm ³⁺ /Dy ³⁺) phosphors. <i>Materials Research Bulletin</i> , 2016 , 84, 303-313	5.1	19
224	An Ultrahigh-Performance Photodetector based on a Perovskite-Transition-Metal-Dichalcogenide Hybrid Structure. <i>Advanced Materials</i> , 2016 , 28, 7799-806	24	201
223	Controlled synthesis of yttrium gallium garnet spherical nanostructures modified by silver oxide nanoparticles for enhanced photocatalytic properties. <i>CrystEngComm</i> , 2016 , 18, 8915-8925	3.3	7
222	Birnessite-type MnO nanosheet arrays with interwoven arrangements on vapor grown carbon fibers as hybrid nanocomposites for pseudocapacitors. <i>Dalton Transactions</i> , 2016 , 45, 19322-19328	4.3	24
221	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	9.5	37
220	RE ³⁺ (RE ³⁺ = Tm ³⁺ , Tb ³⁺ and Sm ³⁺) ions activated Y ₆ WO ₁₂ phosphors: Synthesis, photoluminescence, cathodoluminescence and thermal stability. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 559-565	5.7	9

219	Facile synthesis of Gd ₂ O ₃ :Ho ³⁺ /Yb ³⁺ nanoparticles: an efficient upconverting material for enhanced photovoltaic performance of dye-sensitized solar cells. <i>Optical Materials Express</i> , 2016 , 6, 1896	2.6	24
218	Citrate-based sol-gel synthesis and luminescent properties of Y ₆ WO ₁₂ :Eu ³⁺ , Dy ³⁺ phosphors for solid-state lighting applications. <i>Ceramics International</i> , 2016 , 42, 5677-5685	5.1	10
217	Upconversion emission and cathodoluminescence of Yb ³⁺ ions activated BiOCl:Ho ³⁺ phosphors. <i>Materials Letters</i> , 2016 , 169, 135-139	3.3	13
216	Fabrication and analysis of highly-reflective metal-dielectric mirrors for high-performance semiconductor laser applications. <i>Current Applied Physics</i> , 2016 , 16, 155-159	2.6	2
215	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	74
214	Synthesis, electronic structure and luminescence properties of color-controllable Dy ³⁺ /Eu ³⁺ -codoped CaWO ₄ phosphors. <i>Journal of Luminescence</i> , 2016 , 173, 192-198	3.8	35
213	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	4.3	27
212	Synthesis, up/down-conversion luminescence and cathodoluminescence properties of CaLa ₂ ZnO ₅ :Er ³⁺ /Yb ³⁺ nanocrystalline phosphors. <i>Journal of Luminescence</i> , 2016 , 175, 100-105	3.8	17
211	Cyan-emitting BaZrSi ₃ O ₉ :Eu ²⁺ phosphors for near-UV based white light-emitting diodes. <i>Materials Letters</i> , 2016 , 173, 68-71	3.3	13
210	Eu ³⁺ ion concentration induced 3D luminescence properties of novel red-emitting Ba ₄ La ₆ (SiO ₄) ₆ O:Eu ³⁺ oxyapatite phosphors for versatile applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1039-1050	7.1	53
209	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	3.7	22
208	Highly efficient low temperature solution processable planar type CH ₃ NH ₃ PbI ₃ perovskite flexible solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1572-1578	13	191
207	Upconversion emission, cathodoluminescence and temperature sensing behaviors of Yb ³⁺ ions sensitized NaY(WO ₄) ₂ :Er ³⁺ phosphors. <i>Ceramics International</i> , 2016 , 42, 5635-5641	5.1	60
206	Synthesis and characterizations of novel Sr ₂ Gd ₈ (SiO ₄) ₆ O ₂ :Eu ³⁺ oxyapatite phosphors for solid-state lighting and display applications. <i>Journal of Alloys and Compounds</i> , 2016 , 660, 437-445	5.7	31
205	Fabrication and optical characterization of hybrid antireflective structures with zinc oxide nanorods/micro pyramidal silicon for photovoltaic applications. <i>Optical Materials Express</i> , 2016 , 6, 4000	2.6	3
204	Metal-Semiconductor-Metal Near-Ultraviolet (~380nm) Photodetectors by Selective Area Growth of ZnO Nanorods and SiO ₂ Passivation. <i>Nanoscale Research Letters</i> , 2016 , 11, 333	5	24
203	Luminescence properties and energy transfer behavior of single-component NaY(WO ₄) ₂ :Tm ³⁺ /Dy ³⁺ /Eu ³⁺ phosphors for ultraviolet-excited white light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2016 , 673, 426-432	5.7	43
202	Photoluminescence and cathodoluminescence properties of Sr ₂ Gd ₈ Si ₆ O ₂₆ :RE ³⁺ (RE ³⁺ =Tb ³⁺ or Sm ³⁺) phosphors. <i>Journal of Luminescence</i> , 2016 , 178, 183-191	3.8	16

201	Long-wave UVA radiation excited warm white-light emitting NaGdTiO ₄ : Tm ³⁺ /Dy ³⁺ /Eu ³⁺ ions tri-doped phosphors: Synthesis, energy transfer and color tunable properties. <i>Journal of Alloys and Compounds</i> , 2016 , 666, 270-278	5.7	19
200	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	13	62
199	Tunable emissions via the white region from Sr ₂ Gd ₈ (SiO ₄) ₆ O ₂ :RE ³⁺ (RE ³⁺ : Dy ³⁺ , Tm ³⁺ , Eu ³⁺) phosphors. <i>New Journal of Chemistry</i> , 2016 , 40, 6214-6227	3.6	22
198	Photoluminescence and electron-beam excitation induced cathodoluminescence properties of novel green-emitting Ba ₄ La ₆ O(SiO ₄) ₆ :Tb ³⁺ phosphors. <i>Ceramics International</i> , 2016 , 42, 11099-11103	5.1	6
197	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	3.7	46
196	Thermal-tolerant polymers with antireflective and hydrophobic grooved subwavelength grating surfaces for high-performance optics. <i>RSC Advances</i> , 2016 , 6, 79755-79762	3.7	8
195	Hierarchical structured polymers for light-absorption enhancement of silicon-based solar power systems. <i>RSC Advances</i> , 2016 , 6, 55159-55166	3.7	10
194	Synthesis and luminescent properties of Eu ³⁺ -activated Na _{0.5} Gd _{0.5} MoO ₄ : A strong red-emitting phosphor for LED and FED applications. <i>Journal of Luminescence</i> , 2016 , 179, 451-456	3.8	97
193	Citric-assisted sol-gel based Er ³⁺ /Yb ³⁺ -codoped Na _{0.5} Gd _{0.5} MoO ₄ : A novel highly-efficient infrared-to-visible upconversion material for optical temperature sensors and optical heaters. <i>Chemical Engineering Journal</i> , 2016 , 306, 840-848	14.7	141
192	Controlled Electrochemical Synthesis of Nickel Hydroxide Nanosheets Grown on Non-woven Cu/PET Fibers: A Robust, Flexible, and Binder-Free Electrode for High-Performance Pseudocapacitors. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18411-18420	3.8	20
191	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	1.6	7
190	Sol-gel synthesis, characterization and photocatalytic properties of SrCrO ₄ particles. <i>Materials Letters</i> , 2015 , 144, 85-89	3.3	10
189	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	3.7	31
188	Effect of molybdenum on upconversion emission and temperature sensing properties in Na _{0.5} Bi _{0.5} TiO ₃ :Er/Yb ceramics. <i>Ceramics International</i> , 2015 , 41, 6710-6714	5.1	57
187	Synthesis and luminescence properties of color-tunable Dy ³⁺ -activated CaWO ₄ phosphors. <i>Journal of Applied Physics</i> , 2015 , 117, 083112	2.5	48
186	Novel rare-earth-free yellow Ca ₅ Zn _{3.92} In _{0.08} (VO _{0.99} Ta _{0.01} O ₄) ₆ phosphors for dazzling white light-emitting diodes. <i>Scientific Reports</i> , 2015 , 5, 10296	4.9	64
185	White-light emission of Ca ₂ La ₈ (GeO ₄) ₆ O ₂ : Tb ³⁺ /Sm ³⁺ nanocrystalline phosphors for solid-state lighting applications. <i>Journal of Luminescence</i> , 2015 , 166, 93-100	3.8	27
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182	Multifunctional nanoparticles: recent progress in cancer therapeutics. <i>Chemical Communications</i> , 2015 , 51, 13248-59	5.8	115
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180	Solar power generation enhancement of dye-sensitized solar cells using hydrophobic and antireflective polymers with nanoholes. <i>RSC Advances</i> , 2015 , 5, 61284-61289	3.7	17
179	Dual-enhancement of photoluminescence and cathodoluminescence in Eu ³⁺ -activated SrMoO ₄ phosphors by Na ⁺ doping. <i>RSC Advances</i> , 2015 , 5, 60121-60127	3.7	64
178	Tricobalt tetroxide nanoplate arrays on flexible conductive fabric substrate: Facile synthesis and application for electrochemical supercapacitors. <i>Journal of Power Sources</i> , 2015 , 283, 251-259	8.9	50
177	Strong photocurrent enhancements in plasmonic organic photovoltaics by biomimetic nanoarchitectures with efficient light harvesting. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6706-15	9.5	28
176	Highly-reflective and conductive distributed Bragg reflectors based on glancing angle deposited indium tin oxide thin films for silicon optoelectronic applications. <i>Thin Solid Films</i> , 2015 , 591, 351-356	2.2	3
175	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	58
174	Inverted tetrahedron-pyramidal micropatterned polymer films for boosting light output power in flip-chip light-emitting diodes. <i>Optics Express</i> , 2015 , 23, 9612-7	3.3	3
173	Improvement in light harvesting of dye-sensitized solar cells with antireflective and hydrophobic textile PDMS coating by facile soft imprint lithography. <i>Optics Express</i> , 2015 , 23, A169-79	3.3	20
172	Broadband high-reflective distributed Bragg reflectors based on amorphous silicon films for semiconductor laser facet coatings. <i>Applied Optics</i> , 2015 , 54, 1027-31	1.7	3
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170	Improved biomolecular detection based on a plasmonic nanoporous gold film fabricated by oblique angle deposition. <i>Optics Express</i> , 2015 , 23, 18777-85	3.3	7
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166	Hydrothermal Synthesis and Photocatalytic Property of EGa ₂ O ₃ Nanorods. <i>Nanoscale Research Letters</i> , 2015 , 10, 364	5	54

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163	Strong emission of terahertz radiation from nanostructured Ge surfaces. <i>Applied Physics Letters</i> , 2015 , 106, 261106	3.4	11
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161	Multi-stacked PDMS-based triboelectric generators with conductive textile for efficient energy harvesting. <i>RSC Advances</i> , 2015 , 5, 6437-6442	3.7	45
160	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	3.7	25
159	Fabrication and Optimization of Vertically Aligned ZnO Nanorod Array-Based UV Photodetectors via Selective Hydrothermal Synthesis. <i>Nanoscale Research Letters</i> , 2015 , 10, 1032	5	33
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