

Jae Su Yu

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12,222
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54
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460
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14,571
ext. citations

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#	Paper	IF	Citations
434	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
433	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, 812-257	7.7	261
432	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
431	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
430	An Ultrahigh-Performance Photodetector based on a Perovskite-Transition-Metal-Dichalcogenide Hybrid Structure. <i>Advanced Materials</i> , 2016 , 28, 7799-806	24	201
429	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	17.1	196
428	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
427	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
426	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
425	Bioinspired parabola subwavelength structures for improved broadband antireflection. <i>Small</i> , 2010 , 6, 984-7	11	136
424	Efficiency Enhancement of Organic Solar Cells Using Hydrophobic Antireflective Inverted Moth-Eye Nanopatterned PDMS Films. <i>Advanced Energy Materials</i> , 2014 , 4, 1301315	21.8	132
423	A novel strategy for controllable emissions from Eu ³⁺ or Sm ³⁺ ions co-doped SrY ₂ O ₄ :Tb ³⁺ phosphors. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11296-307	3.6	132
422	PDMS-based triboelectric and transparent nanogenerators with ZnO nanorod arrays. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6631-7	9.5	131
421	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
420	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
419	Multifunctional nanoparticles: recent progress in cancer therapeutics. <i>Chemical Communications</i> , 2015 , 51, 13248-59	5.8	115
418	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

417	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
416	Low-temperature thermometry based on upconversion emission of Ho/Yb-codoped Ba _{0.77} Ca _{0.23} TiO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2015 , 632, 73-77	5.7	104
415	Strong red emission in Eu ³⁺ /Bi ³⁺ ions codoped CaWO ₄ phosphors for white light-emitting diode and field-emission display applications. <i>Journal of Alloys and Compounds</i> , 2015 , 633, 37-41	5.7	101
414	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
413	Antireflective submicrometer gratings on thin-film silicon solar cells for light-absorption enhancement. <i>Optics Letters</i> , 2010 , 35, 276-8	3	97
412	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
411	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
410	Design of highly transparent glasses with broadband antireflective subwavelength structures. <i>Optics Express</i> , 2010 , 18, 13063-71	3.3	90
409	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		89
408	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
407	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
406	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
405	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
404	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, 20520-9	9.5	73
403	Silver nanoparticles deposited multiwalled carbon nanotubes for removal of Cu(II) and Cd(II) from water: Surface, kinetic, equilibrium, and thermal adsorption properties. <i>Chemical Engineering Journal</i> , 2013 , 223, 806-815	14.7	72
402	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	6.4	70
401	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
400	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

399	An Integrated Approach Toward Renewable Energy Storage Using Rechargeable Ag@Ni Co S-Based Hybrid Supercapacitors. <i>Small</i> , 2019 , 15, e1805418	11	67
398	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
397	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
396	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	3.6	64
395	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
394	Paper-Based Surface-Enhanced Raman Spectroscopy for Diagnosing Prenatal Diseases in Women. <i>ACS Nano</i> , 2018 , 12, 7100-7108	16.7	63
393	Enhanced transmittance and hydrophilicity of nanostructured glass substrates with antireflective properties using disordered gold nanopatterns. <i>Optics Express</i> , 2012 , 20, 4056-66	3.3	62
392	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
391	Glancing angle deposited ITO films for efficiency enhancement of a-Si:H/μ-Si:H tandem thin film solar cells. <i>Optics Express</i> , 2011 , 19 Suppl 3, A258-68	3.3	61
390	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
389	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
388	Pechini synthesis of lanthanide (Eu ³⁺ /Tb ³⁺ or Dy ³⁺) ions activated BaGd ₂ O ₄ nanostructured phosphors: an approach for tunable emissions. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 18124-40	3.6	60
387	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
386	Closely packed and aspect-ratio-controlled antireflection subwavelength gratings on GaAs using a lenslike shape transfer. <i>Optics Letters</i> , 2009 , 34, 1702-4	3	58
385	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
384	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	8.3	56
383	Energy transfer mechanism and color controllable luminescence in Dy ³⁺ /Eu ³⁺ -codoped NaLa(MoO ₄) ₂ phosphors. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 468-473	5.7	55
382	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

381	Hydrothermal Synthesis and Photocatalytic Property of EGa_2O_3 Nanorods. <i>Nanoscale Research Letters</i> , 2015 , 10, 364	5	54
380	Light-extraction enhancement of a GaN-based LED covered with ZnO nanorod arrays. <i>Nanoscale</i> , 2014 , 6, 4371-8	7.7	54
379	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
378	Eu^{3+} ion concentration induced 3D luminescence properties of novel red-emitting $\text{Ba}_4\text{La}_6(\text{SiO}_4)_2\text{O}:\text{Eu}^{3+}$ oxyapatite phosphors for versatile applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1039-1050	7.1	53
377	Rare-earth free self-luminescent $\text{CaKZn}(\text{VO})$ phosphors for intense white light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 42348	4.9	52
376	Effect of AZO seed layer on electrochemical growth and optical properties of ZnO nanorod arrays on ITO glass. <i>Nanotechnology</i> , 2011 , 22, 445602	3.4	52
375	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
374	High transparency and triboelectric charge generation properties of nano-patterned PDMS. <i>RSC Advances</i> , 2014 , 4, 10216	3.7	50
373	Synthesis and luminescent properties of novel red-emitting $\text{CaGd}_4\text{O}_7:\text{Eu}^{3+}$ nanocrystalline phosphors. <i>Journal of Alloys and Compounds</i> , 2013 , 553, 291-298	5.7	50
372	Broadband near-ultraviolet excited $\text{La}_2\text{Mo}_2\text{O}_9:\text{Eu}^{3+}$ 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
371	Evolution of $\text{CaGd}_2\text{ZnO}_5:\text{Eu}^{3+}$ nanostructures for rapid visualization of latent fingerprints. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4246-4256	7.1	49
370	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
369	Photoluminescence and cathodoluminescence properties of Eu^{3+} ions activated AMoO_4 (A=Mg, Ca, Sr, Ba) phosphors. <i>Materials Research Bulletin</i> , 2015 , 70, 553-558	5.1	49
368	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
367	Synthesis of $\text{Er}(\text{III})/\text{Yb}(\text{III})$ -doped BiF upconversion nanoparticles for use in optical thermometry. <i>Mikrochimica Acta</i> , 2018 , 185, 237	5.8	48
366	Facile template free synthesis of $\text{Gd}_2\text{O}(\text{CO}_3)_2\cdot 2\text{H}_2\text{O}$ chrysanthemum-like nanoflowers and luminescence properties of corresponding $\text{Gd}_2\text{O}_3:\text{RE}^{3+}$ spheres. <i>Dalton Transactions</i> , 2013 , 42, 11400-11403	4.3	48
365	Photoluminescence and Cathodoluminescence Properties of Nanocrystalline $\text{Ca}_2\text{Gd}_8\text{Si}_6\text{O}_{26}:\text{Sm}^{3+}$ Phosphors. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 238-242	3.8	47
364	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

363	White light emission from Eu ³⁺ co-activated Ca ₂ Gd ₈ Si ₆ O ₂₆ :Dy ³⁺ nanophosphors by solvothermalsynthesis. <i>Ceramics International</i> , 2013 , 39, 6319-6324	5.1	46
362	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
361	Multi-stacked PDMS-based triboelectric generators with conductive textile for efficient energy harvesting. <i>RSC Advances</i> , 2015 , 5, 6437-6442	3.7	45
360	Eu-activated LaMoO-LaWO red-emitting phosphors with ultrabroad excitation band for white light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 11953	4.9	45
359	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
358	Multifunctional light escaping architecture inspired by compound eye surface structures: From understanding to experimental demonstration. <i>Optics Express</i> , 2011 , 19 Suppl 2, A157-65	3.3	45
357	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
356	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
355	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
354	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
353	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
352	Biomimetic artificial Si compound eye surface structures with broadband and wide-angle antireflection properties for Si-based optoelectronic applications. <i>Nanoscale</i> , 2013 , 5, 10455-60	7.7	44
351	High-performance hybrid supercapacitors based on MOF-derived hollow ternary chalcogenides. <i>Energy Storage Materials</i> , 2021 , 35, 750-760	19.4	44
350	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
349	Blue and green emissions with high color purity from nanocrystalline Ca ₂ Gd ₈ Si ₆ O ₂₆ :Ln (Ln=Tm or Er) phosphors. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7537-7542	5.7	43
348	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
347	Versatile properties of CaGd ₂ N ₂ O ₇ :Eu ³⁺ nanophosphor: its compatibility for lighting and optical display applications. <i>Dalton Transactions</i> , 2015 , 44, 1790-9	4.3	42
346	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

345	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
344	Beam steering in high-power CW quantum-cascade lasers. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 833-841	2	42
343	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
342	Wire-shaped ultraviolet photodetectors based on a nanostructured NiO/ZnO coaxial p-n heterojunction via thermal oxidation and hydrothermal growth processes. <i>Nanoscale</i> , 2015 , 7, 2735-42	7.7	41
341	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
340	Self-assembled hierarchical cobalt hydroxide nanostructures on conductive textiles by one-step electrochemical deposition. <i>CrystEngComm</i> , 2014 , 16, 11027-11034	3.3	41
339	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
338	Synthesis, structural and optical properties of BaMoO ₄ :Eu ³⁺ shuttle like phosphors. <i>Materials Research Bulletin</i> , 2014 , 53, 49-53	5.1	40
337	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	3.5	40
336	Facile preparation and optoelectronic properties of CuO nanowires for violet light sensing. <i>Materials Letters</i> , 2014 , 117, 217-220	3.3	39
335	Pigeon peas hulls waste as potential adsorbent for removal of Pb(II) and Ni(II) from water. <i>Chemical Engineering Journal</i> , 2012 , 197, 24-33	14.7	39
334	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
333	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
332	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
331	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
330	Polyol mediated solvothermal synthesis and characterization of spindle shaped La ₂ (MoO ₄) ₃ :Eu ³⁺ phosphors. <i>Chemical Engineering Journal</i> , 2014 , 255, 205-213	14.7	37
329	White light emission characteristics of Tb ³⁺ and Sm ³⁺ co-doped CaYAlO ₄ nanocrystalline phosphors for solid-state lighting. <i>Journal of Luminescence</i> , 2013 , 142, 92-95	3.8	37
328	Broadband wide-angle antireflection enhancement in AZO/Si shell/core subwavelength grating structures with hydrophobic surface for Si-based solar cells. <i>Optics Express</i> , 2011 , 19 Suppl 5, A1155-64	3.3	37

- 327 Facile pechini synthesis of Sr₃Y₂Ge₃O₁₂:Bi³⁺/Eu³⁺ phosphors with tunable emissions and energy transfer for WLEDs. *Journal of Alloys and Compounds*, **2017**, 703, 361-369 5.7 36
- 326 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 9.5 36
- 325 Enhanced Photovoltaic Performance of Dye-Sensitized Solar Cells by Efficient Near-Infrared Sunlight Harvesting using Upconverting Y₂O₃:Er (3+)/Yb (3+) Phosphor Nanoparticles. *Nanoscale Research Letters*, **2015**, 10, 1030 5 36
- 324 Efficiency improvement of III-V GaAs solar cells using biomimetic TiO₂ subwavelength structures with wide-angle and broadband antireflection properties. *Solar Energy Materials and Solar Cells*, **2014**, 127, 43-49 6.4 36
- 323 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 3.6 35
- 322 Engineering squandered cotton into eco-benign microarchitected triboelectric films for sustainable and highly efficient mechanical energy harvesting. *Nano Energy*, **2019**, 61, 505-516 17.1 35
- 321 Synthesis, electronic structure and luminescence properties of color-controllable Dy³⁺/Eu³⁺-codoped CaWO₄ phosphors. *Journal of Luminescence*, **2016**, 173, 192-198 3.8 35
- 320 Design of hemi-urchin shaped ZnO nanostructures for broadband and wide-angle antireflection coatings. *Optics Express*, **2011**, 19, 297-305 3.3 35
- 319 Aqueous asymmetric supercapacitors based on ZnCo₂O₄ nanoparticles via facile combustion method. *Journal of Alloys and Compounds*, **2020**, 815, 152456 5.7 35
- 318 Near-ultraviolet light-induced dazzling red emission in CaGd₂(MoO₄)₄:2xSm³⁺ compounds for phosphor-converted WLEDs. *Journal of the American Ceramic Society*, **2019**, 102, 5353-5364 3.8 33
- 317 Fabrication and Optimization of Vertically Aligned ZnO Nanorod Array-Based UV Photodetectors via Selective Hydrothermal Synthesis. *Nanoscale Research Letters*, **2015**, 10, 1032 5 33
- 316 Energy Back Transfer Induced Color Controllable Upconversion Emissions in La₂MoO₆:Er³⁺/Yb³⁺ Nanocrystals for Versatile Applications. *Particle and Particle Systems Characterization*, **2018**, 35, 1700416^{3.1} 33
- 315 Triboelectric nanogenerators with gold-thin-film-coated conductive textile as floating electrode for scavenging wind energy. *Nano Research*, **2018**, 11, 101-113 10 33
- 314 Nanostructured encapsulation coverglasses with wide-angle broadband antireflection and self-cleaning properties for III-V multi-junction solar cell applications. *Solar Energy Materials and Solar Cells*, **2014**, 120, 555-560 6.4 33
- 313 Highly transparent sapphire micro-grating structures with large diffuse light scattering. *Optics Express*, **2011**, 19, 15574-83 3.3 33
- 312 Broadband antireflective germanium surfaces based on subwavelength structures for photovoltaic cell applications. *Optics Express*, **2011**, 19, 26308-17 3.3 33
- 311 Enhanced Device Efficiency of Bilayered Inverted Organic Solar Cells Based on Photocurable P3HTs with a Light-Harvesting ZnO Nanorod Array. *Advanced Energy Materials*, **2014**, 4, 1301338 21.8 32
- 310 Wafer-scale highly-transparent and superhydrophilic sapphires for high-performance optics. *Optics Express*, **2012**, 20, 26160-6 3.3 32

309	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
308	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
307	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
306	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
305	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
304	Imaging and curcumin delivery in pancreatic cancer cell lines using PEGylated Gd ₂ (MoO ₄) ₃ mesoporous particles. <i>Dalton Transactions</i> , 2014 , 43, 3330-8	4.3	30
303	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
302	Temperature- and size-dependent characteristics in ultrathin inorganic light-emitting diodes assembled by transfer printing. <i>Applied Physics Letters</i> , 2014 , 104, 051901	3.4	30
301	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
300	Controllable electrochemical synthesis of ZnO nanorod arrays on flexible ITO/PET substrate and their structural and optical properties. <i>Applied Surface Science</i> , 2012 , 259, 99-104	6.7	29
299	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
298	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
297	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
296	(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
295	Strong photocurrent enhancements in plasmonic organic photovoltaics by biomimetic nanoarchitectures with efficient light harvesting. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6706-6715	9.5	28
294	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	3.3	28
293	Infrared-to-visible upconversion emission of Er ³⁺ /Yb ³⁺ -codoped SrMoO ₄ phosphors as wide-range temperature sensor. <i>Current Applied Physics</i> , 2015 , 15, 1576-1579	2.6	28
292	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

291	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
290	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
289	PEGylated Gd ₂ (MoO ₄) ₃ Mesoporous Flowers: Synthesis, Characterization, and Biological Application. <i>Crystal Growth and Design</i> , 2013 , 13, 4051-4058	3.5	28
288	High-performance and cost-effective triboelectric nanogenerators by sandpaper-assisted micropatterned polytetrafluoroethylene. <i>Energy</i> , 2018 , 165, 677-684	7.9	28
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280	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	2	26
279	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
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181	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
180	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
179	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
178	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
177	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
176	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
175	Tunable emissions from Dy ³⁺ /Sm ³⁺ ions co-activated SrY ₂ O ₄ :Er ³⁺ nanocrystalline phosphors for LED and FED applications. <i>Journal of Alloys and Compounds</i> , 2014 , 592, 157-163	5.7	12
174	Structural and optical properties of ZnO nanorods by electrochemical growth using multi-walled carbon nanotube-composed seed layers. <i>Nanoscale Research Letters</i> , 2012 , 7, 13	5	12
173	Synthesis and luminescent properties of nanocrystalline CaYAlO ₄ :Sm ³⁺ phosphors. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 374-377	1.3	12
172	Ethylene glycol-assisted ultrafast synthesis and luminescent properties of novel multifunctional EuSr ₂ F ₇ and TbSr ₂ F ₇ nanostructures for WLEDs, displays and anti-counterfeiting. <i>Ceramics International</i> , 2020 , 46, 8891-8902	5.1	12
171	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
170	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
169	Synthesis and luminescent properties of CaLa ₂ ZnO ₅ :Ln (Ln:Tm ³⁺ or Er ³⁺) phosphors. <i>Ceramics International</i> , 2015 , 41, 13264-13270	5.1	11
168	Strong emission of terahertz radiation from nanostructured Ge surfaces. <i>Applied Physics Letters</i> , 2015 , 106, 261106	3.4	11
167	Flexible nano-hybrid inverter based on inkjet-printed organic and 2D multilayer MoS ₂ thin film transistor. <i>Organic Electronics</i> , 2014 , 15, 3038-3042	3.5	11
166	Well-integrated ZnO nanorod arrays on conductive textiles by electrochemical synthesis and their physical properties. <i>Nanoscale Research Letters</i> , 2013 , 8, 28	5	11

165	Unveiling multi-channelled 3D porous iron oxide nanostructures with exalted capacity towards high-performance Li-ion battery applications. <i>Journal of Alloys and Compounds</i> , 2020 , 846, 156385	5.7	11
164	Thermal-couple levels of 4S3/2 and 2H11/2 in Na(Ca, Sr)La(VO4)2:Er3+ phosphors for potential optical thermometers. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 7082-7094	3.8	11
163	Strong Green Emission of Erbium(III)-Activated La2MgTiO6 Phosphors for Solid-State Lighting and Optical Temperature Sensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5105-5115	8.3	11
162	Porous Co-MoS2@Cu2MoS4 three-dimensional nanoflowers via in situ sulfurization of Cu2O nanospheres for electrochemical hybrid capacitors. <i>Chemical Engineering Journal</i> , 2021 , 403, 126319	14.7	11
161	Sol-gel synthesis, characterization and photocatalytic properties of SrCrO4 particles. <i>Materials Letters</i> , 2015 , 144, 85-89	3.3	10
160	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	3.7	10
159	Ultrafast preparation of Europium(III) and Terbium(III) activated LaSr2F7 nanoparticles for white LEDs and anti-counterfeiting mark. <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154078	5.7	10
158	Rational design and construction of nickel molybdate nanohybrid composite for high-performance supercapattery. <i>Applied Surface Science</i> , 2020 , 515, 146023	6.7	10
157	Ethylene glycol assisted rapid preparation of NaEuF4 nanorods with splendid thermal stability for indoor illumination and optical displays. <i>Dyes and Pigments</i> , 2018 , 153, 307-315	4.6	10
156	Citrate-based sol-gel synthesis and luminescent properties of Y6WO12:Eu3+, Dy3+ phosphors for solid-state lighting applications. <i>Ceramics International</i> , 2016 , 42, 5677-5685	5.1	10
155	Electrochemical synthesis of ZnO branched submicrorods on carbon fibers and their feasibility for environmental applications. <i>Nanoscale Research Letters</i> , 2013 , 8, 262	5	10
154	Enhanced luminescent properties in Eu3+-activated SrMo W1-O4 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
153	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	1.6	10
152	Effects of rapid thermal annealing on the optical properties of In0.53Ga0.47As/In0.52Al0.48As multiple quantum wells with InGaAs and dielectric capping layers. <i>Journal of Applied Physics</i> , 2002 , 91, 2080-2084	2.5	10
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150	Multicomponent architected battery-type flexible yarns for high-performance wearable supercapatteries. <i>Chemical Engineering Journal</i> , 2021 , 411, 128479	14.7	10
149	Hierarchical structured polymers for light-absorption enhancement of silicon-based solar power systems. <i>RSC Advances</i> , 2016 , 6, 55159-55166	3.7	10
148	Highly stable and redox property-enabled tricopper dimolybdate nanostructures for electrochemical supercapacitors. <i>Applied Surface Science</i> , 2019 , 471, 795-802	6.7	10

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145	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
144	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
143	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
142	Electrochemical synthesis of hierarchical Ni(OH) ₂ nanostructures on conductive textiles. <i>Materials Letters</i> , 2012 , 84, 132-135	3.3	9
141	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	1.9	9
140	Improved light extraction of InGaN/GaN blue LEDs by GaOOH NRAs using a thin ATO seed layer. <i>Nanoscale Research Letters</i> , 2012 , 7, 458	5	9
139	Tunable growth of urchin-shaped ZnO nanostructures on patterned transparent substrates. <i>CrystEngComm</i> , 2012 , 14, 5824	3.3	9
138	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
137	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
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133	Hierarchical maple leaf-like spinel oxide microarchitectures via a novel eco-friendly approach as a cathode material for aqueous hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020 , 364, 137231	6.7	8
132	Photoluminescence properties of rare-earth ions-activated Sr ₂ YF ₇ nanoparticles for WLED devices. <i>Ceramics International</i> , 2020 , 46, 26646-26659	5.1	8
131	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
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129	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
128	Advantageous Occupation of Europium(III) in the B Site of Double-Perovskite Ca ₂ BB ₂ O ₆ (B = Y, Gd, La; B ₂ = Sb, Nb) Frameworks for White-Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7960-7972	8.3	8
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125	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
124	Sol-gel derived barium orthovanadate phosphors for white light-emitting diodes. <i>Dyes and Pigments</i> , 2018 , 150, 44-48	4.6	8
123	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
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120	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
119	Optical, spectral, and thermal characteristics of InGaN/GaN green flip-chip light-emitting diodes. <i>Solid-State Electronics</i> , 2015 , 104, 20-24	1.7	7
118	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
117	Device characteristics and thermal analysis of AlGaInP-based red monolithic light-emitting diode arrays. <i>Semiconductor Science and Technology</i> , 2013 , 28, 025005	1.8	7
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113	Improved device performance of AlGaInP-based vertical light-emitting diodes with low-n ATO antireflective coating layer. <i>Microelectronic Engineering</i> , 2013 , 104, 29-32	2.5	7
112	Luminescence properties of europium ions-doped yttrium silicate (Y ₂ SiO ₅ :Eu ³⁺) nanocrystalline phosphors: effect of Eu ³⁺ ion concentration and thermal annealing. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 3230-5	1.3	7

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110	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
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108	Nano-Ag laminated ternary layered double hydroxides for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 420, 130376	14.7	7
107	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
106	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
105	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
104	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
103	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	2.2	6
102	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	1.6	6
101	Structural and optical properties of silicon by tilted angle evaporation. <i>Surface and Coatings Technology</i> , 2010 , 205, S447-S450	4.4	6
100	Dependence of band gap energy shift of In _{0.2} Ga _{0.8} As/GaAs multiple quantum well structures by impurity-free vacancy disordering on stoichiometry of SiO _x and SiN _x capping layers. <i>Journal of Applied Physics</i> , 2002 , 91, 4256-4260	2.5	6
99	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
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92	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	1.6	5
91	Enhanced Light Extraction of GaN-Based Green Light-Emitting Diodes With GaOOH Rods. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 285-287	2.2	5
90	Fabrication of 1 B Multimode-Interference Optical Power Splitter based on InP Using CH ₄ /H ₂ Reactive Ion Etching. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 634-639	1.4	5
89	Stannic Oxide Nanoplate-Assembled Hierarchical Microstructures: Synthesis and Photocatalytic Properties. <i>Science of Advanced Materials</i> , 2017 , 9, 1169-1173	2.3	5
88	Recent Advanced Development of Artificial Interphase Engineering for Stable Sodium Metal Anodes. <i>Small</i> , 2021 , e2102250	11	5
87	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
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83	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
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81	Effects of point defect healing on phosphorus implanted germanium n+/p junction and its thermal stability. <i>Journal of Applied Physics</i> , 2013 , 114, 094515	2.5	4
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76	Thermal Analysis of InGaN/GaN Multiple Quantum Well Light Emitting Diodes with Different Mesa Sizes. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 04DG11	1.4	4

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67	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
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65	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
64	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
63	Low-dimensional II-VI oxide-based semiconductor nanostructure photodetectors for light sensing 2015 ,		3
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