

Wageh Swelm

List of Publications by Year in descending order

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169
papers

13,471
citations

66315

42
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22147

113
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173
all docs

173
docs citations

173
times ranked

12148
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017, 29, 1601694.	11.1	3,143
2	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018, 21, 1042-1063.	8.3	1,134
3	A Review of Direct Z-scheme Photocatalysts. <i>Small Methods</i> , 2017, 1, 1700080.	4.6	955
4	Graphene in Photocatalysis: A Review. <i>Small</i> , 2016, 12, 6640-6696.	5.2	836
5	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015, 5, 1500010.	10.2	694
6	Two-dimensional layered composite photocatalysts. <i>Chemical Communications</i> , 2014, 50, 10768.	2.2	551
7	One-step Hydrothermal Synthesis of 2D Hexagonal Nanoplates of $\text{Fe}_2\text{O}_3/\text{Graphene}$ Composites with Enhanced Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2014, 24, 5719-5727.	7.8	331
8	Enhanced visible light photocatalytic H_2 -production of g-C ₃ N ₄ /WS ₂ composite heterostructures. <i>Applied Surface Science</i> , 2015, 358, 196-203.	3.1	327
9	TiO ₂ nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016, 9, 3-27.	5.8	327
10	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , 2020, 12, 2702.	2.0	321
11	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 667-669.	6.9	260
12	Design principle of S-scheme heterojunction photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022, 124, 171-173.	5.6	257
13	Controlled Growth from ZnS Nanoparticles to ZnS@CdS Nanoparticle Hybrids with Enhanced Photoactivity. <i>Advanced Functional Materials</i> , 2015, 25, 445-454.	7.8	239
14	Growth and optical properties of colloidal ZnS nanoparticles. <i>Journal of Crystal Growth</i> , 2003, 255, 332-337.	0.7	213
15	New understanding on the different photocatalytic activity of wurtzite and zinc-blende CdS. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 101-107.	10.8	212
16	Nitrogen-doped TiO ₂ microsheets with enhanced visible light photocatalytic activity for CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2015, 36, 2127-2134.	6.9	197
17	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 637-645.	5.0	156
18	Radiation shielding properties of transparent erbium zinc tellurite glass system determined at medical diagnostic energies. <i>Journal of Alloys and Compounds</i> , 2018, 741, 293-299.	2.8	124

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19	Hierarchical C/NiO-ZnO nanocomposite fibers with enhanced adsorption capacity for Congo red. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 736-745.	5.0	123
20	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020, 511, 145570.	3.1	112
21	EPR Investigation on Electron Transfer of 2D/3D g-C ₃ N ₄ /ZnO S-scheme Heterojunction for Enhanced CO ₂ Photoreduction. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100264.	2.7	112
22	S-scheme ZnO/WO ₃ heterojunction photocatalyst for efficient H ₂ O ₂ production. <i>Journal of Materials Science and Technology</i> , 2022, 124, 193-201.	5.6	108
23	Engine performance and emission characteristics of palm biodiesel blends with graphene oxide nanoplatelets and dimethyl carbonate additives. <i>Journal of Environmental Management</i> , 2021, 282, 111917.	3.8	86
24	Quenching induced hierarchical 3D porous g-C ₃ N ₄ with enhanced photocatalytic CO ₂ reduction activity. <i>Chemical Communications</i> , 2019, 55, 14023-14026.	2.2	83
25	Pt/C@MnO ₂ composite hierarchical hollow microspheres for catalytic formaldehyde decomposition at room temperature. <i>Applied Surface Science</i> , 2019, 466, 301-308.	3.1	81
26	From phosphorus to phosphorene: Applications in disease theranostics. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214110.	9.5	77
27	S-Scheme 2D/2D Bi ₂ MoO ₆ /BiOI van der Waals heterojunction for CO ₂ photoreduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1657-1666.	6.9	75
28	3D BiOI@GO composite with enhanced photocatalytic performance for phenol degradation under visible-light. <i>Ceramics International</i> , 2015, 41, 3511-3517.	2.3	74
29	Collective effect of ternary nano fuel blends on the diesel engine performance and emissions characteristics. <i>Fuel</i> , 2021, 293, 120420.	3.4	65
30	CdS/polymer S-scheme H ₂ -production photocatalyst and its in-situ irradiated electron transfer mechanism. <i>Chinese Journal of Catalysis</i> , 2022, 43, 586-588.	6.9	64
31	Impact of bismuth oxide on the structure, optical features and ligand field parameters of borosilicate glasses doped with nickel oxide. <i>Ceramics International</i> , 2021, 47, 21443-21449.	2.3	62
32	Dynamics of Photogenerated Charge Carriers in Inorganic/Organic S-Scheme Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4695-4700.	2.1	62
33	Raman and photoluminescence study of CdSe nanoparticles capped with a bifunctional molecule. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 39, 8-14.	1.3	60
34	Adsorption of CO ₂ , O ₂ , NO and CO on s-triazine-based g-C ₃ N ₄ surface. <i>Catalysis Today</i> , 2019, 335, 117-127.	2.2	59
35	A CRISPR/Cas12a-empowered surface plasmon resonance platform for rapid and specific diagnosis of the Omicron variant of SARS-CoV-2. <i>National Science Review</i> , 2022, 9, .	4.6	56
36	Optical properties of strongly luminescing mercaptoacetic-acid-capped ZnS nanoparticles. <i>Journal of Luminescence</i> , 2003, 102-103, 768-773.	1.5	54

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37	Improving the Quality and Luminescence Performance of All-Inorganic Perovskite Nanomaterials for Light-Emitting Devices by Surface Engineering. <i>Small</i> , 2020, 16, e1907089.	5.2	54
38	Enhanced magnetic, dielectric properties and photocatalytic activity of doped Mg-Zn ferrite nanoparticles by virtue of Sm ³⁺ role. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157437.	2.8	52
39	Improved solar efficiency by introducing graphene oxide in purple cabbage dye sensitized TiO ₂ based solar cell. <i>Solid State Communications</i> , 2014, 183, 56-59.	0.9	51
40	Graphene-Zn _{0.5} Cd _{0.5} S nanocomposite with enhanced visible-light photocatalytic CO ₂ reduction activity. <i>Applied Surface Science</i> , 2020, 506, 144683.	3.1	48
41	C ₃ N ₄ /PDA S-scheme Heterojunction with Enhanced Photocatalytic H ₂ O ₂ Production Performance and Its Mechanism. <i>Advanced Sustainable Systems</i> , 2023, 7, .	2.7	47
42	Optical Properties of Few-Layer Ti ₃ CN MXene: From Experimental Observations to Theoretical Calculations. <i>ACS Nano</i> , 2022, 16, 3059-3069.	7.3	46
43	Flexible Mg-Al layered double hydroxide supported Pt on Al foil for use in room-temperature catalytic decomposition of formaldehyde. <i>RSC Advances</i> , 2016, 6, 34280-34287.	1.7	43
44	Strategic Design of Intelligent-Responsive Nanogel Carriers for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54621-54647.	4.0	43
45	2D-ultrathin MXene/DOXjade platform for iron chelation chemo-photothermal therapy. <i>Bioactive Materials</i> , 2022, 14, 76-85.	8.6	42
46	Modifying the Crystal Field of CsPbCl ₃ :Mn ²⁺ Nanocrystals by Co-doping to Enhance Its Red Emission by a Hundredfold. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30711-30719.	4.0	41
47	Synergy between Platinum and Gold Nanoparticles in Oxygen Activation for Enhanced Room-Temperature Formaldehyde Oxidation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	37
48	Nano silver-anchored reduced graphene oxide sheets for enhanced dielectric performance of polymer nanocomposites. <i>RSC Advances</i> , 2014, 4, 28426-28431.	1.7	36
49	Hydrothermally Assisted Synthesis of Porous Polyaniline@Carbon Nanotubes-Manganese Dioxide Ternary Composite for Potential Application in Supercapattery. <i>Polymers</i> , 2020, 12, 2918.	2.0	36
50	Hierarchical Co ₃ O ₄ -NiO hollow dodecahedron-supported Pt for room-temperature catalytic formaldehyde decomposition. <i>Chemical Engineering Journal</i> , 2022, 430, 132715.	6.6	35
51	Effects of the graphene doping level on the optical and electrical properties of ITO/P3HT:Graphene/Au organic solar cells. <i>Superlattices and Microstructures</i> , 2014, 76, 461-471.	1.4	28
52	Advanced opportunities and insights on the influence of nitrogen incorporation on the physico/electro-chemical properties of robust electrocatalysts for electrocatalytic energy conversion. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214209.	9.5	28
53	CdS@CdSe Core/Shell Quantum Dots for Highly Improved Self-Powered Photodetection Performance. <i>Inorganic Chemistry</i> , 2021, 60, 18608-18613.	1.9	28
54	Design of highly-active photocatalytic materials for solar fuel production. <i>Chemical Engineering Journal</i> , 2021, 421, 127732.	6.6	27

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55	2D materials for bone therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113970.	6.6	23
56	The rise of 2D materials/ferroelectrics for next generation photonics and optoelectronics devices. <i>APL Materials</i> , 2022, 10, .	2.2	23
57	Gradient heating-induced bi-phase synthesis of carbon quantum dots (CQDs) on graphene-coated carbon cloth for efficient photoelectrocatalysis. <i>Carbon</i> , 2022, 196, 649-662.	5.4	22
58	Light Emitting Devices Based on CdSe Nanoparticles Capped With Mercaptoacetic Acid. <i>IEEE Journal of Quantum Electronics</i> , 2014, 50, 1-8.	1.0	21
59	Preparation and Characterization of Silymarin-Conjugated Gold Nanoparticles with Enhanced Anti-Fibrotic Therapeutic Effects against Hepatic Fibrosis in Rats: Role of MicroRNAs as Molecular Targets. <i>Biomedicines</i> , 2021, 9, 1767.	1.4	21
60	Mesoporous Magnetic Cysteine Functionalized Chitosan Nanocomposite for Selective Uranyl Ions Sorption: Experimental, Structural Characterization, and Mechanistic Studies. <i>Polymers</i> , 2022, 14, 2568.	2.0	21
61	Effect of aging on CdSe nanocrystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 16, 269-273.	1.3	20
62	Ionized cocatalyst to promote CO ₂ photoreduction activity over core-shell triple-shell ZnO hollow spheres. <i>Rare Metals</i> , 2022, 41, 1077-1079.	3.6	20
63	Cd ^{1-x} Zn ^x S nanoparticles stabilized by a bifunctional organic molecule. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2810-2813.	1.3	19
64	Preparation and characterization of a novel system of CdS nanoparticles embedded in borophosphate glass matrix. <i>Journal of Alloys and Compounds</i> , 2013, 555, 161-168.	2.8	19
65	A photodiode based on PbS nanocrystallites for FYTRONIX solar panel automatic tracking controller. <i>Physica B: Condensed Matter</i> , 2017, 527, 44-51.	1.3	19
66	Nanopoxia: Targeting Cancer Hypoxia by Antimonene-Based Nanoplatform for Precision Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2104607.	7.8	18
67	Enhanced performance of CH ₃ NH ₃ PbI ₃ perovskite solar cells by excess halide modification. <i>Applied Surface Science</i> , 2021, 564, 150464.	3.1	18
68	CdSe nanocrystals in novel phosphate glass matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 3049-3054.	1.3	17
69	Band edge emission of ZnS nanoparticles prepared by excess of thiourea as a source of sulfur. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 443-451.	1.1	17
70	Synthesis and Characterization of Mercaptoacetic Acid Capped Cadmium Sulphide Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9861-9867.	0.9	17
71	Structural characterizations and electrical conduction mechanism of CaBi ₂ Nb ₂ O ₉ single-phase nanocrystallites synthesized via sucrose-assisted sol-gel combustion method. <i>Journal of Materials Science</i> , 2018, 53, 11584-11594.	1.7	16
72	Silver Nanowires Digital Printing for Inverted Flexible Semi-transparent Solar Cells. <i>Advanced Engineering Materials</i> , 2021, 23, 2001305.	1.6	16

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73	Fabrication of Metal (Cu and Cr) Incorporated Nickel Oxide Films for Electrochemical Oxidation of Methanol. <i>Crystals</i> , 2021, 11, 1398.	1.0	16
74	Mid-Infrared Optoelectronic Devices Based on Two-Dimensional Materials beyond Graphene: Status and Trends. <i>Nanomaterials</i> , 2022, 12, 2260.	1.9	16
75	Enhancing the stability and water resistance of CsPbBr ₃ perovskite nanocrystals by using tetrafluoride and zinc oxide as protective capsules. <i>Journal of Materials Science</i> , 2020, 55, 9739-9747.	1.7	14
76	Enhanced Solar Photocatalytic Reduction of Cr(VI) Using a (ZnO/CuO) Nanocomposite Grafted onto a Polyester Membrane for Wastewater Treatment. <i>Polymers</i> , 2021, 13, 4047.	2.0	14
77	Characteristics, properties, synthesis and advanced applications of 2D graphdiyne versus graphene. <i>Materials Chemistry Frontiers</i> , 2022, 6, 528-552.	3.2	14
78	Study of blue electroluminescence from titania nanotubes doped into a polymeric matrix. <i>Nanotechnology</i> , 2006, 17, 100-104.	1.3	13
79	Effect of solvent and environmental conditions on the structural and optical properties of CdS nanoparticles. <i>RSC Advances</i> , 2014, 4, 24110-24118.	1.7	13
80	Improvement in the photovoltaic properties of hybrid solar cells by incorporating a QD-composite in the hole transport layer. <i>RSC Advances</i> , 2016, 6, 23048-23057.	1.7	13
81	Significant capacitance enhancement induced by cyclic voltammetry in pine needle-like Ni-Co-Cu multicomponent electrode. <i>Journal of Materials Science and Technology</i> , 2021, 78, 100-109.	5.6	13
82	MXene-based mixed-dimensional Schottky heterojunction towards self-powered flexible high-performance photodetector. <i>Materials Today Physics</i> , 2021, 21, 100479.	2.9	13
83	Green metallochromic cellulose dipstick for Fe(III) using chitosan nanoparticles and cyanidin-based natural anthocyanins red-cabbage extract. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 269-277.	3.6	13
84	Green Synthesis of Silymarin-Chitosan Nanoparticles as a New Nano Formulation with Enhanced Anti-Fibrotic Effects against Liver Fibrosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5420.	1.8	13
85	Enhancement of optical features and sensitivity of MEH-PPV/VOPcPhO photodetector using CdSe quantum dots. <i>Journal of Luminescence</i> , 2016, 180, 209-213.	1.5	12
86	CsPbBr ₃ @CsPbBr ₃ -Cl Perovskite Core-Shell Heterojunction Nanowires via a Postsynthetic Method with HCl Gas. <i>ACS Omega</i> , 2020, 5, 11578-11584.	1.6	12
87	Combined effect of Phoenix dactylifera biodiesel and multiwalled carbon nanotube-titanium dioxide nanoparticles for modified diesel engines. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 515-540.	1.8	12
88	Design and optimization of light emitting devices based on CdTe-QD as an emissive layer. <i>Journal of Luminescence</i> , 2012, 132, 1957-1963.	1.5	11
89	Structure and optical properties of capped and uncapped CdS nanoparticles prepared in aqueous medium. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4830-4840.	1.1	11
90	Electrical and photoresponse properties of Au/reduced graphene:poly(3-hexylthiophene) nanocomposite /p-Si photodiodes. <i>Optical and Quantum Electronics</i> , 2015, 47, 1779-1789.	1.5	11

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91	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. <i>Nanoscale</i> , 2021, 13, 15891-15898.	2.8	11
92	Antibacterial Applications of Anatase TiO ₂ Nanoparticle. <i>American Journal of Nanomaterials</i> , 2017, 5, 31-42.	1.2	11
93	Enhanced charge transport characteristics in zinc oxide nanofibers via Mg ²⁺ doping for electron transport layer in perovskite solar cells and antibacterial textiles. <i>Ceramics International</i> , 2022, 48, 24363-24371.	2.3	11
94	Strong confinement of PbSe nanocrystals in phosphate glass. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1157-1163.	1.3	10
95	Structural, morphological and optical properties of PEDOT:PSS/QDs nano-composite films prepared by spin-casting. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 64-68.	1.3	10
96	Facile Synthesis of Ternary Alloy of CdSe _{1-x} S _x Quantum Dots with Tunable Absorption and Emission of Visible Light. <i>Nanomaterials</i> , 2018, 8, 979.	1.9	10
97	Contact resistance corrected-electrical characteristics with channel length effects in π -conjugated small-molecule benzanthracene organic thin film transistors. <i>Synthetic Metals</i> , 2021, 273, 116670.	2.1	10
98	Digital printing of a novel electrode for stable flexible organic solar cells with a power conversion efficiency of 8.5%. <i>Scientific Reports</i> , 2021, 11, 14212.	1.6	10
99	Photocatalytic antibacterial and osteoinductivity. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1051-1053.	6.9	10
100	The dynamic variation of upconversion luminescence dependent on shell Yb ³⁺ contents in NaYF ₄ : Yb ³⁺ , Tm ³⁺ @NaYF ₄ : Yb ³⁺ , Er ³⁺ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2022, 891, 162067.	2.8	10
101	Growth and Characterization of Novel System of Nanoparticles Embedded in Phosphate Glass Matrix. <i>World Journal of Condensed Matter Physics</i> , 2011, 01, 24-32.	1.1	10
102	Compositional Adjusting and Antibacterial Improvement of Hydroxyapatite/Nb ₂ O ₅ /Graphene Oxide for Medical Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2160-2172.	1.9	10
103	A comparative study on the performance of hybrid solar cells containing ZnS/Te QDs in hole transporting layer and photoactive layer. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	9
104	Structural and optical properties of CdZnTe quantum dots capped with a bifunctional Molecule. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9114-9125.	1.1	9
105	Photodiode based on Pb _{0.9} Cd _{0.1} S ternary alloy semiconductor for solar tracking systems. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16880-16893.	1.1	9
106	Synergetic Effect of Different Carrier Dynamics in Pm ₆ :Y ₆ :ITIC-M Ternary Cascade Energy Level System. <i>Polymers</i> , 2021, 13, 2398.	2.0	9
107	Two-dimensional Metal Organic Frameworks for photonic applications. <i>Optical Materials Express</i> , 0, .	1.6	9
108	Vanadium Disulfide Nanosheets Synthesized by Facile Liquid-Phase Exfoliation for Ammonia Detection with High Selectivity. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	9

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109	An Electrochemical Investigation of Methanol Oxidation on Thin Films of Nickel Oxide and Its Composites with Zirconium and Yttrium Oxides. <i>Crystals</i> , 2022, 12, 534.	1.0	9
110	Enhanced Visible Light Photo-Catalytic Activity of ZnO and Ag-Doped ZnO (ZnO:Ag) Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7682-7690.	0.9	8
111	High quantum yield Cu doped CdSe quantum dots. <i>Materials Research Express</i> , 2019, 6, 0850d4.	0.8	8
112	Two-dimensional Nitrogen-doped Ti ₃ C ₂ Promoted Catalysis Performance of Silver Nanozyme for Ultrasensitive Detection of Hydrogen Peroxide. <i>ChemElectroChem</i> , 2022, 9, .	1.7	8
113	Evaluation of the Synergistic Effect of Graphene Oxide Sheets and Co ₃ O ₄ Wrapped with Vertically Aligned Arrays of Poly (Aniline-Co-Melamine) Nanofibers for Energy Storage Applications. <i>Polymers</i> , 2022, 14, 2685.	2.0	8
114	Optical properties and thermal degradation of CdSe capped with 3-mercaptopropionic acid. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3049-3057.	1.1	7
115	Organic insulator layer influence on the electrical properties of N, N'-di (2-ethylhexyl) - 3, 4, 9, 10-perylene diimide organic thin-film transistors: Experiment and modeling. <i>Chinese Journal of Physics</i> , 2018, 56, 1964-1976.	2.0	7
116	Hysteresis control by varying Ta ₂ O ₅ -nanoparticles concentration in PMMA-Ta ₂ O ₅ bilayer gate dielectric of hybrid-organic thin film transistors. <i>Organic Electronics</i> , 2019, 75, 105390.	1.4	7
117	CdS Quantum Dots and Dye Co-Sensitized Nanorods TiO ₂ ; Solar Cell. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014, 9, 662-665.	0.1	7
118	Carbon nanotube antennas analysis and applications: review. <i>Advances in Nano Research</i> , 2013, 1, 13-27.	0.9	7
119	Photodetectors Based on MoS ₂ /MAPbBr ₃ van der Waals Heterojunction. <i>IEEE Electron Device Letters</i> , 2022, 43, 414-417.	2.2	7
120	Recent Advances and Challenges in Ultrafast Photonics Enabled by Metal Nanomaterials. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
121	An optical and structural investigation into CdTe nanocrystals embedded into the tellurium lithium borophosphate glass matrix. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 818-822.	2.0	6
122	Investigation on light-induced storage of charges with capacitance/conductance-voltage and its frequency characteristics. <i>Organic Electronics</i> , 2020, 76, 105425.	1.4	6
123	With PBDB-T as the Donor, the PCE of Non-Fullerene Organic Solar Cells Based on Small Molecule INTIC Increased by 52.4%. <i>Materials</i> , 2020, 13, 1324.	1.3	6
124	Studying of Formation of Oxide Layer on the Surface of the Nanoparticles and Growth of CdTe Nanoparticles in Glass Matrix. <i>Advanced Science Letters</i> , 2012, 11, 110-119.	0.2	6
125	Density Functional Investigation on $\hat{\pm}$ -MoO ₃ (100): Amines Adsorption and Surface Chemistry. <i>ACS Sensors</i> , 2022, 7, 1213-1221.	4.0	6
126	Dynamics of broadband photoinduced species and enabled photodetection in MXenes. <i>Nanophotonics</i> , 2022, 11, 3139-3148.	2.9	6

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127	Enhanced organic electroluminescence (OEL) by integration with cathodoluminescence-like (cl-like) emission. <i>Journal of Luminescence</i> , 2003, 102-103, 291-294.	1.5	5
128	Anode material based on SWCNT for infrared quantum dot light-emitting devices. <i>Optical and Quantum Electronics</i> , 2010, 42, 263-276.	1.5	5
129	Simulation of electroluminescence of quantum dot-based microcavity light-emitting device. <i>Optical and Quantum Electronics</i> , 2011, 42, 285-296.	1.5	5
130	Ternary ZnS:Te nanoparticles capped with 3-mercaptopropionic acid prepared in aqueous media. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10877-10887.	1.1	5
131	Improving charge transport by the ultrathin QDs interlayer in polymer solar cells. <i>RSC Advances</i> , 2018, 8, 17914-17920.	1.7	5
132	Ultra-Violet Electroluminescence of ZnO Nanorods/MEH-PPV Heterojunctions by Optimizing Their Thickness and Using AZO as a Transparent Conductive Electrode. <i>Materials</i> , 2019, 12, 2976.	1.3	5
133	Silver sulfide nanoparticles incorporated into graphene oxide: an efficient electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8127-8135.	1.1	5
134	SYNTHESIS AND CHARACTERIZATION OF CdTe NANOPARTICLES EMBEDDED IN NOVEL GLASS MATRIX. <i>International Journal of Nanoscience</i> , 2009, 08, 605-610.	0.4	4
135	Influence of Yb ³⁺ concentration on the upconversion luminescence of oxyfluoride material doped with Er ³⁺ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 310-314.	2.0	4
136	Electronic and excitonic processes in multilayer organic light emitting devices incorporating PbSe quantum dots. <i>Journal of Computational Electronics</i> , 2011, 10, 414-423.	1.3	4
137	Thermal annealing and channel composition influences on the electrical properties of transparent-TFTs based on Zn-In-SnO ternary compound: Experiment and modeling. <i>Chinese Journal of Physics</i> , 2019, 62, 358-367.	2.0	4
138	A New Benchmark of Charges Storage in Single-Layer Organic Light-Emitting Diodes Based on Electrical and Optical Characteristics. <i>Molecules</i> , 2021, 26, 741.	1.7	4
139	Prewetting Induced Hydrophilicity to Augment Photocatalytic Activity of Nanocalcite @ Polyester Fabric. <i>Polymers</i> , 2022, 14, 295.	2.0	4
140	ELECTROMAGNETIC MODELING OF OUTCOUPLING EFFICIENCY AND LIGHT EMISSION IN NEAR-INFRARED QUANTUM DOT LIGHT EMITTING DEVICES. <i>Progress in Electromagnetics Research B</i> , 2010, 24, 263-284.	0.7	3
141	THE EFFECT OF ELECTRODE MATERIALS ON THE OPTICAL CHARACTERISTICS OF INFRARED QUANTUM DOT-LIGHT EMITTING DEVICES. <i>Progress in Electromagnetics Research C</i> , 2011, 19, 47-59.	0.6	3
142	Semiconductors: Controlled Growth from ZnS Nanoparticles to ZnS@CdS Nanoparticle Hybrids with Enhanced Photoactivity (<i>Adv. Funct. Mater.</i> 3/2015). <i>Advanced Functional Materials</i> , 2015, 25, 495-495.	7.8	3
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