

Wageh Swelm

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152
papers

8,460
citations

31
h-index

91
g-index

173
ext. papers

10,748
ext. citations

5.8
avg, IF

6.78
L-index

#	Paper	IF	Citations
152	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1601694	24	2003
151	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018 , 21, 1042-1068	10.6	737
150	A Review of Direct Z-Scheme Photocatalysts. <i>Small Methods</i> , 2017 , 1, 1700080	12.8	663
149	Graphene in Photocatalysis: A Review. <i>Small</i> , 2016 , 12, 6640-6696	11	605
148	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015 , 5, 1500010	21.8	584
147	Two-dimensional layered composite photocatalysts. <i>Chemical Communications</i> , 2014 , 50, 10768-77	5.8	462
146	One-Step Hydrothermal Synthesis of 2D Hexagonal Nanoplates of Fe ₂ O ₃ /Graphene Composites with Enhanced Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2014 , 24, 5719-5727	15.6	289
145	TiO ₂ nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016 , 9, 3-27	10	283
144	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	6.7	276
143	Controlled Growth from ZnS Nanoparticles to ZnS/CdS Nanoparticle Hybrids with Enhanced Photoactivity. <i>Advanced Functional Materials</i> , 2015 , 25, 445-454	15.6	219
142	Growth and optical properties of colloidal ZnS nanoparticles. <i>Journal of Crystal Growth</i> , 2003 , 255, 332-337	3.7	195
141	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	11.3	172
140	New understanding on the different photocatalytic activity of wurtzite and zinc-blende CdS. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 101-107	21.8	159
139	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 667-669	11.3	115
138	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	9.3	94
137	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	5.7	82
136	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , 2020 , 12,	4.5	70

135	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	9.3	68
134	3D BiOI/TiO ₂ composite with enhanced photocatalytic performance for phenol degradation under visible-light. <i>Ceramics International</i> , 2015 , 41, 3511-3517	5.1	66
133	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020 , 511, 145570	6.7	66
132	Pt/C@MnO ₂ composite hierarchical hollow microspheres for catalytic formaldehyde decomposition at room temperature. <i>Applied Surface Science</i> , 2019 , 466, 301-308	6.7	57
131	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	3	56
130	Quenching induced hierarchical 3D porous g-CN with enhanced photocatalytic CO reduction activity. <i>Chemical Communications</i> , 2019 , 55, 14023-14026	5.8	56
129	Optical properties of strongly luminescing mercaptoacetic-acid-capped ZnS nanoparticles. <i>Journal of Luminescence</i> , 2003 , 102-103, 768-773	3.8	49
128	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	7.9	49
127	Microstructural, morphological behavior and removal of Cr(VI) and Se(IV) from aqueous solutions by magnetite nanoparticles/PVA and cellulose acetate nanofibers. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	47
126	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	1.6	47
125	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, 117-123	3.7	37
124	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	3.7	35
123	Collective effect of ternary nano fuel blends on the diesel engine performance and emissions characteristics. <i>Fuel</i> , 2021 , 293, 120420	7.1	34
122	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	6.7	33
121	Improving the Quality and Luminescence Performance of All-Inorganic Perovskite Nanomaterials for Light-Emitting Devices by Surface Engineering. <i>Small</i> , 2020 , 16, e1907089	11	28
120	Nano silver-anchored reduced graphene oxide sheets for enhanced dielectric performance of polymer nanocomposites. <i>RSC Advances</i> , 2014 , 4, 28426-28431	3.7	27
119	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	2.8	22
118	Effect of aging on CdSe nanocrystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 16, 269-273	3	20

117	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> , 2100264	5.9	20
116	From phosphorus to phosphorene: Applications in disease theranostics. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214110	23.2	19
115	Light Emitting Devices Based on CdSe Nanoparticles Capped With Mercaptoacetic Acid. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 1-8	2	18
114	A photodiode based on PbS nanocrystallites for FYTRONIX solar panel automatic tracking controller. <i>Physica B: Condensed Matter</i> , 2017 , 527, 44-51	2.8	17
113	Modifying the Crystal Field of CsPbCl:Mn Nanocrystals by Co-doping to Enhance Its Red Emission by a Hundredfold. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30711-30719	9.5	17
112	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	3	17
111	CdSe nanocrystals in novel phosphate glass matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 3049-3054	3	17
110	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	5.7	16
109	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	2.3	15
108	Design principle of S-scheme heterojunction photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022 ,	9.1	14
107	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	3.7	13
106	Study of blue electroluminescence from titania nanotubes doped into a polymeric matrix. <i>Nanotechnology</i> , 2006 , 17, 100-104	3.4	13
105	Effect of solvent and environmental conditions on the structural and optical properties of CdS nanoparticles. <i>RSC Advances</i> , 2014 , 4, 24110-24118	3.7	12
104	Synthesis and Characterization of Mercaptoacetic Acid Capped Cadmium Sulphide Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 9861-7	1.3	12
103	Enhanced magnetic, dielectric properties and photocatalytic activity of doped Mg ₂ N ferrite nanoparticles by virtue of Sm ³⁺ role. <i>Journal of Alloys and Compounds</i> , 2021 , 856, 157437	5.7	12
102	Design and optimization of light emitting devices based on CdTe-QD as an emissive layer. <i>Journal of Luminescence</i> , 2012 , 132, 1957-1963	3.8	11
101	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	4.3	11
100	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	2.4	10

99	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	2.1	10
98	Strong confinement of PbSe nanocrystals in phosphate glass. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1157-1163	3	10
97	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	3	10
96	Design of highly-active photocatalytic materials for solar fuel production. <i>Chemical Engineering Journal</i> , 2021 , 421, 127732	14.7	10
95	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	0.5	9
94	Enhancement of optical features and sensitivity of MEH-PPV/VOPcPhO photodetector using CdSe quantum dots. <i>Journal of Luminescence</i> , 2016 , 180, 209-213	3.8	9
93	Hydrothermally Assisted Synthesis of Porous Polyaniline@Carbon Nanotubes-Manganese Dioxide Ternary Composite for Potential Application in Supercapattery. <i>Polymers</i> , 2020 , 12,	4.5	8
92	Silver Nanowires Digital Printing for Inverted Flexible Semi-Transparent Solar Cells. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001305	3.5	8
91	Enhanced performance of CH ₃ NH ₃ PbI ₃ perovskite solar cells by excess halide modification. <i>Applied Surface Science</i> , 2021 , 564, 150464	6.7	8
90	2D-ultrathin MXene/DOXjade platform for iron chelation chemo-photothermal therapy.. <i>Bioactive Materials</i> , 2022 , 14, 76-85	16.7	8
89	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	2.1	7
88	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	2.1	7
87	Antibacterial Applications of Anatase TiO ₂ Nanoparticle 2017 , 5, 31-42		7
86	A comparative study on the performance of hybrid solar cells containing ZnSTe QDs in hole transporting layer and photoactive layer. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	7
85	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	9.1	7
84	Nanopoxia: Targeting Cancer Hypoxia by Antimonene-Based Nanoplatfrom for Precision Cancer Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2104607	15.6	7
83	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	23.2	7
82	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	3.6	6

81	Optical Properties of Few-Layer TiCN MXene: From Experimental Observations to Theoretical Calculations.. <i>ACS Nano</i> , 2022 ,	16.7	6
80	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	11.3	6
79	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	0.1	6
78	CdS Quantum Dots and Dye Co-Sensitized Nanorods TiO ₂ Solar Cell. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 662-665	1.3	6
77	Contact resistance corrected-electrical characteristics with channel length effects in E-conjugated small-molecule benzanthracene organic thin film transistors. <i>Synthetic Metals</i> , 2021 , 273, 116670	3.6	6
76	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	2.1	5
75	CsPbBr@CsPbBr Cl Perovskite Core-Shell Heterojunction Nanowires via a Postsynthetic Method with HCl Gas. <i>ACS Omega</i> , 2020 , 5, 11578-11584	3.9	5
74	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,	3.5	5
73	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	4.3	5
72	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	2.1	5
71	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	1.3	5
70	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	3.5	5
69	Simulation of electroluminescence of quantum dot-based microcavity light-emitting device. <i>Optical and Quantum Electronics</i> , 2011 , 42, 285-296	2.4	5
68	Anode material based on SWCNT for infrared quantum dot light-emitting devices. <i>Optical and Quantum Electronics</i> , 2010 , 42, 263-276	2.4	5
67	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,	4.8	5
66	Investigation on light-induced storage of charges with capacitance/conductance-voltage and its frequency characteristics. <i>Organic Electronics</i> , 2020 , 76, 105425	3.5	5
65	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> , 1	3.3	5
64	High quantum yield Cu doped CdSe quantum dots. <i>Materials Research Express</i> , 2019 , 6, 0850d4	1.7	4

63	Electronic and excitonic processes in multilayer organic light emitting devices incorporating PbSe quantum dots. <i>Journal of Computational Electronics</i> , 2011 , 10, 414-423	1.8	4
62	SYNTHESIS AND CHARACTERIZATION OF CdTe NANOPARTICLES EMBEDDED IN NOVEL GLASS MATRIX. <i>International Journal of Nanoscience</i> , 2009 , 08, 605-610	0.6	4
61	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	3.6	4
60	Enhanced organic electroluminescence (OEL) by integration with cathodoluminescence-like (cl-like) emission. <i>Journal of Luminescence</i> , 2003 , 102-103, 291-294	3.8	4
59	Carbon nanotube antennas analysis and applications: review. <i>Advances in Nano Research</i> , 2013 , 1, 13-27		4
58	Strategic Design of Intelligent-Responsive Nanogel Carriers for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54621-54647	9.5	4
57	Hierarchical Co ₃ O ₄ -NiO hollow dodecahedron-supported Pt for room-temperature catalytic formaldehyde decomposition. <i>Chemical Engineering Journal</i> , 2022 , 430, 132715	14.7	4
56	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,	3.5	4
55	Facile Synthesis of Ternary Alloy of CdSeS Quantum Dots with Tunable Absorption and Emission of Visible Light. <i>Nanomaterials</i> , 2018 , 8,	5.4	4
54	Organic insulator layer influence on the electrical properties of N, N-EH (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	3.5	4
53	Improving charge transport by the ultrathin QDs interlayer in polymer solar cells.. <i>RSC Advances</i> , 2018 , 8, 17914-17920	3.7	4
52	MXene-based mixed-dimensional Schottky heterojunction towards self-powered flexible high-performance photodetector. <i>Materials Today Physics</i> , 2021 , 21, 100479	8	4
51	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> , 2020 , 2, 200113	5.9	4
50	Dynamics of Photogenerated Charge Carriers in Inorganic/Organic S-Scheme Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2022 , 13, 4695-4700	6.4	4
49	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	2.1	3
48	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
47	Ionized cocatalyst to promote CO ₂ photoreduction activity over core-triple-shell ZnO hollow spheres. <i>Rare Metals</i> , 2022 , 41, 1077	5.5	3
46	Electrical Conductivity Properties of Polyvinyl Alcohol: Graphene Nanocomposites. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 678-684	1.3	3

45	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,	4.5	3
44	Structural characterizations and activation energy of CdS nanocrystals embedded in novel glass matrix. <i>Journal of Optics (India)</i> , 2021 , 50, 381-394	1.3	3
43	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	4.9	3
42	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	5.1	3
41	2D materials for bone therapy. <i>Advanced Drug Delivery Reviews</i> , 2021 , 178, 113970	18.5	3
40	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. <i>Nanoscale</i> , 2021 , 13, 15891-15898	7.7	3
39	Analysis and comparison of total resistance models for accurate static modeling of long- and short-channel OTFTs produced with various organic materials. <i>Chinese Journal of Physics</i> , 2020 , 67, 180-192	3.5	2
38	Field enhancement of optical bowtie nano-antenna using exponential tapered profile. <i>IET Optoelectronics</i> , 2020 , 14, 75-80	1.5	2
37	Effect of environment on the preparation of CdSe quantum dots capped with mercaptoacetic acid. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6442-51	1.3	2
36	Semiconductors: Controlled Growth from ZnS Nanoparticles to ZnS/CdS Nanoparticle Hybrids with Enhanced Photoactivity (Adv. Funct. Mater. 3/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 495-495	15.6	2
35	Improvement of Efficiency in CdS Quantum Dots Sensitized Solar Cells. <i>Acta Physica Polonica A</i> , 2013 , 124, 750-754	0.6	2
34	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	0.9	2
33	Characteristics, properties, synthesis and advanced applications of 2D graphdiyne versus graphene. <i>Materials Chemistry Frontiers</i> ,	7.8	2
32	Structural and Optical Properties of Li ₂ O-NaF ₂ nO ₂ O ₅ :(CdO + S) Glass System. <i>Journal of Advanced Physics</i> , 2017 , 6, 108-115		2
31	Negative Capacitance and Photocapacitance Properties of CdS Quantum Dots Based Graphene Oxide:TiO ₂ Nanocomposite Solar Cell. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2017 , 12, 260-266	1.3	2
30	Fabrication of Metal (Cu and Cr) Incorporated Nickel Oxide Films for Electrochemical Oxidation of Methanol. <i>Crystals</i> , 2021 , 11, 1398	2.3	2
29	A New Benchmark of Charges Storage in Single-Layer Organic Light-Emitting Diodes Based on Electrical and Optical Characteristics. <i>Molecules</i> , 2021 , 26,	4.8	2
28	Photocatalytic antibacterial and osteoinductivity. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1051-1053	11.3	2

27	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	5.7	2
26	Recent Advances and Challenges in Ultrafast Photonics Enabled by Metal Nanomaterials. <i>Advanced Optical Materials</i> , 2020 , 4, 2200443	8.1	2
25	Optical Capacitance/Conductance-Voltage Characteristics of Stored Charges in Organic Light-Emitting Diodes. <i>Molecules</i> , 2020 , 25,	4.8	1
24	Mapping the resonance wavelengths of MWCNT as an optical nanoantenna. <i>Optical and Quantum Electronics</i> , 2014 , 46, 863-869	2.4	1
23	Cavity Design and Optimization of Hybrid Quantum Dot Organic Light Emitting Devices for Blue Light Emission. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020 , 15, 1364-1373	1.3	1
22	Photodetectors Based on MoS ₂ /MAPbBr ₃ Van der Waals Heterojunction. <i>IEEE Electron Device Letters</i> , 2022 , 1-1	4.4	1
21	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	7.9	1
20	Negative Differential Resistance Behavior in n-Channel Organic Thin-Film Transistors Based on C60 and PTCDI-C8: Electrical Characterization and Parameter Extraction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 2100500	1.6	1
19	Effect of adding reducing agent on the structure and optical properties of one-pot preparation method of CdTe quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8384-8393	2.1	1
18	Growth of dimensionally favoured TiO ₂ morphologies by AACVD and their recognized performance as LIB anode. <i>Ceramics International</i> , 2021 , 47, 6848-6853	5.1	1
17	The recombination zone adjusted by the gradient doping of TPA-DCPP for efficient and stable deep red organic light emitting diodes.. <i>RSC Advances</i> , 2021 , 11, 24436-24442	3.7	1
16	Mapping exomoon trajectories around Earth-like exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 5292-5301	4.3	1
15	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> , 2021 , 11, 1-10	3.2	1
14	Drain-induced barrier lowering effect in organic thin-film transistors based on various organic small molecules: Channel length and drain voltage influences. <i>Synthetic Metals</i> , 2022 , 287, 117066	3.6	1
13	Synergy between Platinum and Gold Nanoparticles in Oxygen Activation for Enhanced Room-Temperature Formaldehyde Oxidation. <i>Advanced Functional Materials</i> , 2021 , 31, 2110423	15.6	1
12	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	2.3	1
11	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	10.4	1
10	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	3.5	0

9	Vanadium Disulfide Nanosheets Synthesized by Facile Liquid-Phase Exfoliation for Ammonia Detection with High Selectivity. <i>Advanced Electronic Materials</i> , 2100567	6.4	o
8	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	6.3	o
7	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	11.3	o
6	Spectroscopic ellipsometry and electrical characterizations of InGaAs:Mg thin films lattice matched to InP. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	
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4	Molecular Dynamics and Energy Transfer in Pure Aniline and Rh101+/Aniline Mixed Solution Measured by Ultrafast Spectroscopy. <i>ChemistrySelect</i> , 2021 , 6, 10998-11001	1.8	
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