

Wenxiu Que

List of Publications by Year in Descending Order

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

325
papers

8,112
citations

43
h-index

77
g-index

340
ext. papers

9,548
ext. citations

5
avg, IF

6.49
L-index

#	Paper	IF	Citations
325	2D/1D MXene/MWCNT Hybrid Membrane-Based Evaporator for Solar Desalination.. <i>Materials</i> , 2022 , 15,	3.5	2
324	Perovskite/P3HT graded heterojunction by an additive-assisted method for high-efficiency perovskite solar cells with carbon electrodes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 635, 128072	5.1	1
323	Defect engineering-driven phase structure design of 2H@1T MoS ₂ for electrochemical hydrogen evolution reaction. <i>Materials Letters</i> , 2022 , 311, 131624	3.3	1
322	Mechanical Stability Study on PEDOT:PSS-Based ITO-Free Flexible Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3081-3091	6.1	2
321	Methylamine-Based Method to Deposit MAPbI ₃ Nanoscale-Thick Films for Efficient Perovskite Solar Cells with Carbon Electrodes. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4112-4118	5.6	0
320	CuInSe ₂ quantum dots doped MAPbI ₃ films with reduced trap density for perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164292	5.7	1
319	A PVP-silica-titania hybrid film for low-voltage organic field-effect transistor. <i>Materials Letters</i> , 2022 , 317, 132120	3.3	0
318	Improved volumetric pseudocapacitance electrode obtained by solvothermal treatment of diethanolamine and different auxiliary solvents with MXene. <i>Journal of Alloys and Compounds</i> , 2021 , 162882	5.7	2
317	Investigations of anodization parameters and TiCl ₄ treatments on TiO ₂ nanostructures for highly optimized dye-sensitized solar cells. <i>Surfaces and Interfaces</i> , 2021 , 27, 101578	4.1	0
316	Hole transport free flexible perovskite solar cells with cost-effective carbon electrodes. <i>Nanotechnology</i> , 2021 , 32, 105205	3.4	4
315	Encapsulation of TiO ₂ nanotubes with Cs nanoparticles to enhance electron injection and thermal stability of perovskite solar cells. <i>Surfaces and Interfaces</i> , 2021 , 23, 101033	4.1	2
314	Amino-rich surface-modified MXene as anode for hybrid aqueous proton supercapacitors with superior volumetric capacity. <i>Journal of Power Sources</i> , 2021 , 495, 229790	8.9	6
313	Photoinduced Self-healing of Halide Segregation in Mixed-halide Perovskites. <i>ACS Energy Letters</i> , 2021 , 6, 2502-2511	20.1	11
312	2D hierarchical nickel cobalt sulfides coupled with ultrathin titanium carbide (MXene) nanosheets for hybrid supercapacitors. <i>Journal of Power Sources</i> , 2021 , 482, 228961	8.9	26
311	PbS QD-based photodetectors: future-oriented near-infrared detection technology. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 417-438	7.1	16
310	Effect of carbon quantum dots on the photo-absorption, photo-response and photoelectrochemical performance of KNb ₃ O ₈ film photoelectrode. <i>Micro and Nano Letters</i> , 2021 , 16, 181-186	0.9	
309	Metal halide perovskite nanocrystals: application in high-performance photodetectors. <i>Materials Advances</i> , 2021 , 2, 856-879	3.3	7

308	Correlations between Electrochemical Ion Migration and Anomalous Device Behaviors in Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021 , 6, 1003-1014	20.1	11
307	Plasmonic Dye-Sensitized Solar Cells: Fundamentals, Recent Developments, and Future Perspectives. <i>ChemistrySelect</i> , 2021 , 6, 9337-9350	1.8	1
306	High-performance flexible and free-standing N-doped Ti ₃ C ₂ T _x / MoO ₃ films as electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2021 , 389, 138774	6.7	1
305	Phosphorus-doped molybdenum carbide/MXene hybrid architectures for upgraded hydrogen evolution reaction performance over a wide pH range. <i>Chemical Engineering Journal</i> , 2021 , 423, 130183	14.7	10
304	Recent advanced self-propelling salt-blocking technologies for passive solar-driven interfacial evaporation desalination systems. <i>Nano Energy</i> , 2021 , 89, 106468	17.1	9
303	Fully integrated flexible long-term electrocardiogram recording patch with gel-less adhesive electrodes for arrhythmia detection. <i>Sensors and Actuators A: Physical</i> , 2021 , 332, 113063	3.9	2
302	Innovative salt-blocking technologies of photothermal materials in solar-driven interfacial desalination. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16233-16254	13	21
301	MXenes and MXenes-based Composites. <i>Engineering Materials</i> , 2020 ,	0.4	2
300	Efficient Cu/rGO/TiO ₂ nanocomposite-based photoanode for highly-optimized plasmonic dye-sensitized solar cells. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 2419-2427	3.3	2
299	Influence of Hole Transport Layers/Perovskite Interfaces on the Hysteresis Behavior of Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6391-6399	6.1	0
298	Toward perovskite nanocrystalline solar cells: progress and potential. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5321-5334	7.1	10
297	The effect of in situ nitrogen doping on the oxygen evolution reaction of MXenes. <i>Nanoscale Advances</i> , 2020 , 2, 1187-1194	5.1	23
296	Reversible photoactivation in coordination polymer-derived CdS/Co ^{II} species composites for enhanced photocatalytic hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 2559-2568	5.8	2
295	Ti ₃ C ₂ T _x //AC dual-ions hybrid aqueous supercapacitors with high volumetric energy density. <i>Chemical Engineering Journal</i> , 2020 , 393, 124790	14.7	11
294	Understanding MXene-Based Symmetric Supercapacitors and Redox Electrolyte Energy Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5006-5014	6.1	20
293	Energy Related Applications. <i>Engineering Materials</i> , 2020 , 207-302	0.4	
292	MXenes Based Composites and Hybrids. <i>Engineering Materials</i> , 2020 , 95-206	0.4	
291	A long cycle life asymmetric supercapacitor based on advanced nickel-sulfide/titanium carbide (MXene) nanohybrid and MXene electrodes. <i>Journal of Power Sources</i> , 2020 , 450, 227694	8.9	44

290	Methanol and Diethanolamine Assisted Synthesis of Flexible Nitrogen-Doped Ti3C2 (MXene) Film for Ultrahigh Volumetric Performance Supercapacitor Electrodes. <i>ACS Applied Energy Materials</i> , 2020 , 3, 586-596	6.1	19
289	Quantum dot-modified CsPbI ₂ Br ₂ perovskite absorber for efficient and stable photovoltaics. <i>Organic Electronics</i> , 2020 , 86, 105917	3.5	4
288	Toward mixed-halide perovskites: insight into photo-induced anion phase segregation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14626-14644	7.1	5
287	Photoinduced Phase Segregation Leading to Evident Open-Circuit Voltage Loss in Efficient Inorganic CsPbI ₂ Br Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7035-7041	6.4	17
286	Synthesis and Properties of MXenes. <i>Engineering Materials</i> , 2020 , 5-93	0.4	1
285	Other Applications. <i>Engineering Materials</i> , 2020 , 303-404	0.4	
284	Synergistically Coupling Phosphorus-Doped Molybdenum Carbide with MXene as a Highly Efficient and Stable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12990-12998	8.3	15
283	Materials development and potential applications of transparent ceramics: A review. <i>Materials Science and Engineering Reports</i> , 2020 , 139, 100518	30.9	89
282	The diverse passivation effects of fullerene derivative on hysteresis behavior for normal and inverted perovskite solar cells. <i>Journal of Power Sources</i> , 2020 , 461, 228156	8.9	2
281	Novel ethanol vapor annealing treatment of SnO ₂ quantum dots film for highly efficient planar heterojunction perovskite solar cells. <i>Organic Electronics</i> , 2020 , 84, 105751	3.5	4
280	Hydrothermal synthesis of transition metal sulfides/MWCNT nanocomposites for high-performance asymmetric electrochemical capacitors. <i>Electrochimica Acta</i> , 2019 , 322, 134738	6.7	12
279	Recent Progress of Flexible Perovskite Solar Cells. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1800566	2.5	29
278	Size- and Morphology-Dependent Auger Recombination in CsPbBr ₃ Perovskite Two-Dimensional Nanoplatelets and One-Dimensional Nanorods. <i>Nano Letters</i> , 2019 , 19, 5620-5627	11.5	38
277	Inorganic CsPbI ₂ Br ₂ -Based Perovskite Solar Cells: Fabrication Technique Modification and Efficiency Improvement. <i>Solar Rrl</i> , 2019 , 3, 1900135	7.1	37
276	Membrane assembled from anti-fouling copper-zinc-tin-selenide nanocarambolas for solar-driven interfacial water evaporation. <i>Chemical Engineering Journal</i> , 2019 , 373, 955-962	14.7	54
275	Tailoring Electronic Properties of SnO ₂ Quantum Dots via Aluminum Addition for High-Efficiency Perovskite Solar Cells (Solar RRL 50019). <i>Solar Rrl</i> , 2019 , 3, 1970055	7.1	3
274	Nickel Oxide as Efficient Hole Transport Materials for Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900001	7.1	85
273	Efficient and cost-effective method to synthesize highly purified Ti ₄ AlN ₃ and Ti ₂ AlN. <i>Journal of Advanced Dielectrics</i> , 2019 , 09, 1950008	1.3	7

272	Nitrogen-doped graphene/multiphase nickel sulfides obtained by Ni-C ₃ N ₃ S ₃ (metallopolymer) assisted synthesis for high-performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019 , 301, 332-341	6.7	16
271	Surface nitrogen-modified 2D titanium carbide (MXene) with high energy density for aqueous supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5416-5425	13	80
270	Advanced Ag/rGO/TiO ₂ ternary nanocomposite based photoanode approaches to highly-efficient plasmonic dye-sensitized solar cells. <i>Optics Communications</i> , 2019 , 453, 124408	2	20
269	Highly efficient CsPbIBr ₂ perovskite solar cells with efficiency over 9.8% fabricated using a preheating-assisted spin-coating method. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19008-19016	13	50
268	Quantum-Dot-Induced Cesium-Rich Surface Imparts Enhanced Stability to Formamidinium Lead Iodide Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2019 , 4, 1970-1975	20.1	58
267	Two-dimensional lead-free iodide-based hybrid double perovskites: crystal growth, thin-film preparation and photocurrent responses. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19662-19667	13	54
266	Multifunctional TiO ₂ /ormosils organic-inorganic hybrid films derived by a sol-gel process for photonics and UV nanoimprint applications. <i>Optical Materials Express</i> , 2019 , 9, 304	2.6	7
265	Tailoring Electronic Properties of SnO ₂ Quantum Dots via Aluminum Addition for High-Efficiency Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900041	7.1	17
264	Macroporous 3D MXene architecture for solar-driven interfacial water evaporation. <i>Journal of Advanced Dielectrics</i> , 2019 , 09, 1950047	1.3	7
263	Low temperature solution-derived TiO ₂ -SnO ₂ bilayered electron transport layer for high performance perovskite solar cells. <i>Applied Surface Science</i> , 2019 , 464, 700-707	6.7	34
262	Investigation on the surface modification of TiO ₂ nanohexagon arrays based photoanode with SnO ₂ nanoparticles for highly-efficient dye-sensitized solar cells. <i>Materials Research Bulletin</i> , 2019 , 109, 21-28	5.1	10
261	Three dimensional hierarchical network structure of S-NiFe ₂ O ₄ modified few-layer titanium carbides (MXene) flakes on nickel foam as a high efficient electrocatalyst for oxygen evolution. <i>Electrochimica Acta</i> , 2019 , 296, 762-770	6.7	42
260	Vacuum thermal-evaporated SnO ₂ as uniform electron transport layer and novel management of perovskite intermediates for efficient and stable planar perovskite solar cells. <i>Organic Electronics</i> , 2019 , 65, 207-214	3.5	21
259	A comparative study of planar and mesoporous perovskite solar cells with printable carbon electrodes. <i>Journal of Power Sources</i> , 2019 , 412, 118-124	8.9	27
258	Solvothermal synthesis of highly crystalline SnO ₂ nanoparticles for flexible perovskite solar cells application. <i>Materials Letters</i> , 2019 , 234, 311-314	3.3	22
257	Effects of Zn ²⁺ ion doping on hybrid perovskite crystallization and photovoltaic performance of solar cells. <i>Chemical Physics</i> , 2019 , 517, 80-84	2.3	11
256	Heavy metal waste treatment product as semiconductor: Efficient visible light photocatalytic activity of the Bismuth(III) chelates. <i>Journal of Alloys and Compounds</i> , 2019 , 774, 75-81	5.7	2
255	Tunable plasmon-enhanced broadband light harvesting for perovskite solar cells. <i>Journal of Power Sources</i> , 2018 , 383, 42-49	8.9	17

254	A first-principle study on the electronic properties of substitutionally Cu (I, II)-doped LiNbO ₃ . <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1820002	1.3	9
253	Boosting efficiency of planar heterojunction perovskite solar cells by a low temperature TiCl ₄ treatment. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1850009	1.3	3
252	Synthesis and application of iron-based nanomaterials as anodes of lithium-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9332-9367	13	118
251	Achieving of Flexible, Free-Standing, Ultracompact Delaminated Titanium Carbide Films for High Volumetric Performance and Heat-Resistant Symmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1705487	15.6	79
250	Solid-state synthesis of ZnO nanorods coupled with reduced graphene oxide for photocatalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 4888-4894	2.1	9
249	Effect of the post-annealing temperature on the thermal-decomposed NiO _x hole contact layer for perovskite solar cells. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1850006	1.3	8
248	A low temperature solution-processed ormosil film for low-voltage organic field-effect transistors. <i>Materials Letters</i> , 2018 , 212, 168-170	3.3	2
247	Ternary system of ZnO nanorods/reduced graphene oxide/CuInS ₂ quantum dots for enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2018 , 734, 196-203	5.7	41
246	Highly efficient and reproducible planar perovskite solar cells with mitigated hysteresis enabled by sequential surface modification of electrodes. <i>Journal of Materials Science</i> , 2018 , 53, 16062-16073	4.3	3
245	Multi-wavelength optical data processing and recording based on azo-dyes doped organic-inorganic hybrid film. <i>Optics Express</i> , 2018 , 26, 4309-4317	3.3	11
244	A hydrophobic surface enabled salt-blocking 2D Ti ₃ C ₂ MXene membrane for efficient and stable solar desalination. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16196-16204	13	231
243	Additive-assisted one-step formed perovskite/hole conducting materials graded heterojunction for efficient perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 182-189	9.3	14
242	New insights into photocatalytic mechanism and photoelectrochemical property of bismuth oxybromide heterostructure with DFT investigation. <i>Applied Surface Science</i> , 2018 , 458, 464-477	6.7	10
241	Facile One-Pot Synthesis of Ternary Copper-Tin-Chalcogenide Quantum Dots on Reduced Graphene Oxide for Enhanced Photocatalytic Activity. <i>Catalysis Letters</i> , 2018 , 148, 3112-3118	2.8	4
240	2.23 Pyroelectric Materials 2018 , 720-759		3
239	Annealing atmosphere effect on Ni states in the thermal-decomposed NiO _x films for perovskite solar cell application. <i>Electrochimica Acta</i> , 2018 , 282, 81-88	6.7	22
238	Fabrication of Ag ₂ S-Bi ₂ S ₃ Heterostructured Nanoparticles for Enhanced Photocatalytic Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4306-4310	1.3	1
237	Bilayer photoanode approach for efficient In ₂ O ₃ based planar heterojunction perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 938-944	5.7	21

236	A novel two-dimensional accordion-like titanium carbide (MXene) for adsorption of Cr(VI) from aqueous solution. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1850035	1.3	20
235	Flexible Nitrogen-Doped 2D Titanium Carbides (MXene) Films Constructed by an Ex Situ Solvothermal Method with Extraordinary Volumetric Capacitance. <i>Advanced Energy Materials</i> , 2018 , 8, 1802087	21.8	133
234	A general salt-resistant hydrophilic/hydrophobic nanoporous double layer design for efficient and stable solar water evaporation distillation. <i>Materials Horizons</i> , 2018 , 5, 1143-1150	14.4	150
233	Construction of High-Quality SnO@MoS Nanohybrids for Promising Photoelectrocatalytic Applications. <i>Inorganic Chemistry</i> , 2017 , 56, 3386-3393	5.1	34
232	Enhanced photoluminescence property of sulfate ions modified YAG:Ce ³⁺ phosphor by co-precipitation method. <i>Journal of Rare Earths</i> , 2017 , 35, 217-222	3.7	19
231	Self-assembly of metal-ion-responsive supramolecular coordination complexes and their photophysical properties. <i>Dalton Transactions</i> , 2017 , 46, 3120-3124	4.3	14
230	Low temperature solution processed indium oxide thin films with reliable photoelectrochemical stability for efficient and stable planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9641-9648	13	42
229	Inorganic Hole Contacts for Perovskite Solar Cells: Towards High-Performance Printable Solar Cells 2017 , 423-456		1
228	Facile preparation of protonated hexaniobate nanosheets and its enhanced photocatalytic activity. <i>Nanotechnology</i> , 2017 , 28, 235702	3.4	2
227	NiOx mesoporous films derived from Ni(OH) ₂ nanosheets for perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 839-845	5.7	13
226	Flexible and free-standing 2D titanium carbide film decorated with manganese oxide nanoparticles as a high volumetric capacity electrode for supercapacitor. <i>Journal of Power Sources</i> , 2017 , 359, 332-339	8.9	110
225	Improved capacitance of nitrogen-doped delaminated two-dimensional titanium carbide by urea-assisted synthesis. <i>Electrochimica Acta</i> , 2017 , 225, 416-424	6.7	91
224	Recent progress in layered transition metal carbides and/or nitrides (MXenes) and their composites: synthesis and applications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3039-3068	13	460
223	Trapping Behaviors of Photogenerated Electrons on the (110), (101), and (221) Facets of SnO: Experimental and DFT Investigations. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38984-38991	9.5	8
222	Ni foam supported quasi-core-shell structure of ultrathin Ti ₃ C ₂ nanosheets through electrostatic layer-by-layer self-assembly as high rate-performance electrodes of supercapacitors. <i>Journal of Power Sources</i> , 2017 , 369, 78-86	8.9	48
221	Multi-Influences of Ionic Migration on Illumination-Dependent Electrical Performances of Inverted Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16051-16057	3.8	21
220	Bi ₂ O ₃ /Carbon quantum dots heterostructured photocatalysts with enhanced photocatalytic activity. <i>Materials Letters</i> , 2017 , 209, 220-223	3.3	36
219	Hierarchical SnO ₂ -Graphite Nanocomposite Anode for Lithium-Ion Batteries through High Energy Mechanical Activation. <i>Electrochimica Acta</i> , 2017 , 248, 440-448	6.7	13

218	Titania/Silica hybrid films derived by a sol-gel process for organic field effect transistors. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 666-674	2.3	2
217	New Insights into the Electronic Structure and Photoelectrochemical Properties of Nitrogen-Doped HfNbO via a Combined in Situ Experimental and DFT Investigation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42751-42760	9.5	5
216	Moisture annealing effect on CH ₃ NH ₃ PbI ₃ films deposited by solvent engineering method. <i>Thin Solid Films</i> , 2017 , 636, 664-670	2.2	8
215	Nitrogen and Sulfur Co-Doped 2D Titanium Carbides for Enhanced Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A1939-A1945	3.9	49
214	High-quality Cu ₂ ZnSnS ₄ and Cu ₂ ZnSnSe ₄ nanocrystals hybrid with ZnO and NaYF ₄ : Yb, Tm as efficient photocatalytic sensitizers. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 402-411	21.8	34
213	Carbon Nanomaterials Derived from Graphene and Graphene Oxide Nanosheets. <i>Advanced Structured Materials</i> , 2017 , 177-243	0.6	
212	Solvothermal derived crystalline NiOx nanoparticles for high performance perovskite solar cells. <i>Journal of Power Sources</i> , 2016 , 329, 398-405	8.9	38
211	Synthesis of high quality CuO nanoflakes and CuO/Au nanohybrids for superior visible light photocatalytic behavior. <i>RSC Advances</i> , 2016 , 6, 81607-81613	3.7	15
210	Synthesis and characterization of ZnO nanospheres sensitized BiOBr plates with enhanced photocatalytic performances. <i>Materials Letters</i> , 2016 , 182, 210-213	3.3	18
209	Reduction of Manganese Dioxide by Dissolved Lithium in Liquid Ammonia for LiMn-O Spinel. <i>ChemistrySelect</i> , 2016 , 1, 3438-3442	1.8	0
208	Enhanced Conversion Efficiencies in Dye-Sensitized Solar Cells Achieved through Self-Assembled Platinum(II) Metallacages. <i>Scientific Reports</i> , 2016 , 6, 29476	4.9	11
207	Construction of ZnO/Cu ₂ SnS ₃ nanorod array films for enhanced photoelectrochemical and photocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 104041-104048	3.7	13
206	In ₂ O ₃ /Bi ₂ Sn ₂ O ₇ heterostructured nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016 , 387, 36-44	6.7	35
205	Facile synthesis of ZnO/CuInS ₂ nanorod arrays for photocatalytic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2016 , 317, 430-439	12.8	56
204	ZnO/TiO ₂ nanohexagon arrays heterojunction photoanode for enhancing power conversion efficiency in dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 610-618	5.7	20
203	TiO ₂ passivation for improved efficiency and stability of ZnO nanorods based perovskite solar cells. <i>RSC Advances</i> , 2016 , 6, 57996-58002	3.7	34
202	Enhanced conversion efficiency in perovskite solar cells by effectively utilizing near infrared light. <i>Nanoscale</i> , 2016 , 8, 14432-7	7.7	38
201	Solution-induced morphology change of organic-inorganic hybrid perovskite films for high efficiency inverted planar heterojunction solar cells. <i>Electrochimica Acta</i> , 2016 , 191, 750-757	6.7	26

200	New architecture of a petal-shaped Nb ₂ O ₅ nanosheet film on FTO glass for high photocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 9581-9588	3.7	19
199	Carbon Nanomaterials Based on Carbon Nanotubes (CNTs). <i>Advanced Structured Materials</i> , 2016 , 25-101	0.6	1
198	Fluorine substituted thienyl-quinoxaline copolymer to reduce the highest occupied molecular orbit level and increase open-circuit voltage for organic solar cells. <i>Materials Express</i> , 2016 , 6, 19-27	1.3	3
197	Molybdenum disulfide nanomaterials: Structures, properties, synthesis and recent progress on hydrogen evolution reaction. <i>Applied Materials Today</i> , 2016 , 3, 23-56	6.6	245
196	Highly Efficient Flexible Perovskite Solar Cells Using Solution-Derived NiO _x Hole Contacts. <i>ACS Nano</i> , 2016 , 10, 3630-6	16.7	370
195	Reporting performance in MoS ₂ /TiO ₂ bilayer and heterojunction films based dye-sensitized photovoltaic devices. <i>Journal of Alloys and Compounds</i> , 2016 , 672, 481-488	5.7	14
194	Photoluminescence and energy transfer of YAG: Ce ³⁺ , Gd ³⁺ , Bi ³⁺ . <i>Journal of Advanced Dielectrics</i> , 2016 , 06, 1650029	1.3	4
193	Enhanced sunlight harvesting of dye-sensitized solar cells through the insertion of a (Sr, Ba, Eu) 2 SiO ₄ -TiO ₂ composite layer. <i>Materials Research Bulletin</i> , 2016 , 83, 19-23	5.1	7
192	A matrix based on germanium/ormosil system for all-optical applications. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	1
191	Effects of ZnS layer on the performance improvement of the photosensitive ZnO nanowire arrays solar cells. <i>Materials Chemistry and Physics</i> , 2016 , 178, 139-148	4.4	5
190	New AgNbO ₄ compound with high visible light photocatalytic activity. <i>Materials Letters</i> , 2016 , 183, 97-100	3.3	2
189	Ordered crystalline TiO ₂ nanohexagon arrays for improving conversion efficiency of dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 106-111	5.7	8
188	Content-dependent biomineralization activity and mechanical properties based on polydimethylsiloxane/bioactive glass/poly(caprolactone) hybrids monoliths for bone tissue regeneration. <i>RSC Advances</i> , 2015 , 5, 61309-61317	3.7	9
187	Novel self-growth photocatalytic rod-like heterojunction for hydrogen production under visible light. <i>Journal of Crystal Growth</i> , 2015 , 419, 149-152	1.6	5
186	Fabrication and stability of opened-end TiO ₂ nanotube arrays based dye-sensitized solar cells. <i>Ceramics International</i> , 2015 , 41, S719-S724	5.1	6
185	Fabrication of Bi ₂ Sn ₂ O ₇ -ZnO heterostructures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 27576-27583	3.7	27
184	Functionalization of carbon nanotubes via Birch reduction chemistry for selective loading of CuO nanosheets. <i>New Journal of Chemistry</i> , 2015 , 39, 4278-4283	3.6	5
183	Fabrication of biomimetic polysiloxane-bioactive glass/chitosan hybrid monoliths with high apatite-forming bioactivity. <i>Ceramics International</i> , 2015 , 41, S393-S398	5.1	5

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165	Novel fabrication of TiO ₂ /ZnO nanotube array heterojunction for dye-sensitized solar cells. <i>RSC Advances</i> , 2014 , 4, 7454	3.7	21

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43	Up-conversion emission in violet from neodymium oxalate and neodymium oxide phosphors obtained by microemulsion technique. <i>Materials Science and Engineering C</i> , 2001 , 16, 153-156	8.3	13
42	Preparation and characterization of erbium oxalate and erbium oxide nanoparticles by microemulsion technique. <i>Materials Science and Engineering C</i> , 2001 , 16, 51-54	8.3	10
41	Third-order nonlinear optical response in PbS-coated CdS nanocomposites. <i>Journal of Materials Research</i> , 2001 , 16, 1644-1650	2.5	12
40	Preparation and Characterizations of TiO ₂ /Organically Modified Silane Composite Materials Produced by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 20, 187-195	2.3	22
39	Luminescence of Eu ³⁺ and Tb ³⁺ doped Zn ₂ SiO ₄ nanometer powder phosphors. <i>Materials Chemistry and Physics</i> , 2001 , 68, 31-35	4.4	93

38	Fluorescence characteristics from microemulsion technique derived erbium (III) oxide nanocrystals. <i>Materials Research Bulletin</i> , 2001 , 36, 889-895	5.1	11
37	Preparation and characterization of ultrafine neodymium oxide/TiO ₂ /ORMOSIL sol-gel composite thin film 2001 , 4234, 276		1
36	Effects of titanium content on properties of sol-gel silica-titania films via organically modified silane precursors. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 471-476	3	19
35	Yellow-to-violet upconversion in neodymium oxide nanocrystal/titania/ormosil composite sol-gel thin films derived at low temperature. <i>Journal of Applied Physics</i> , 2001 , 90, 4865-4867	2.5	45
34	Photoluminescence of erbium oxide nanocrystals/TiO ₂ /glycidoxypropyltrimethoxysilane (GLYMO) composite sol-gel thin films derived at low temperature. <i>Journal of Applied Physics</i> , 2001 , 89, 3058-3060	2.5	8
33	PbS/polymer nanocomposite with third-order nonlinear optical response in femtosecond regime. <i>Materials Letters</i> , 2001 , 51, 461-469	3.3	51
32	Sol-Gel Derived Thin Films of LiTaO ₃ on SiO ₂ /Si Substrates for Optical Waveguide Applications. <i>Fiber and Integrated Optics</i> , 2001 , 20, 45-52	0.8	7
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30	Optical and mechanical properties of TiO ₂ /SiO ₂ /organically modified silane composite films prepared by sol-gel processing. <i>Thin Solid Films</i> , 2000 , 359, 177-183	2.2	87
29	C-axis oriented sol-gel derived LiNb _{1-x} TaxO ₃ thin films on Si(111) substrates. <i>Thin Solid Films</i> , 2000 , 365, 77-81	2.2	14
28	Sol-gel derived nanocrystalline thin films of PbTiO ₃ on glass substrate. <i>Thin Solid Films</i> , 2000 , 375, 109-112	2.2	17
27	Femtosecond Z-scan investigation of nonlinear refraction in surface modified PbS nanoparticles. <i>Optical Materials</i> , 2000 , 14, 321-327	3.3	40
26	Structure and characteristics of sol-gel derived silica-titania hard optical coatings via organically modified silane precursor. <i>Journal of Materials Science Letters</i> , 2000 , 19, 1247-1249		3
25	Microstructural and Spectroscopic Studies of Sol-Gel Derived Silica-Titania Waveguides. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 18, 77-83	2.3	13
24	Sol-gel processed silica/titania/glycidoxypropyltrimethoxysilane composite materials for photonic applications. <i>Journal of Electronic Materials</i> , 2000 , 29, 1052-1058	1.9	12
23	Three-dimensional photonic band gap structure of a polymer-metal composite. <i>Applied Physics Letters</i> , 2000 , 76, 3337-3339	3.4	32
22	Second-harmonic generation using an a axis Nd:MgO:LiNbO ₃ single crystal fiber with Mg-ion indiffused cladding. <i>Optical Engineering</i> , 2000 , 39, 2804	1.1	7
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19	Preparation of hard optical coatings based on an organic/inorganic composite by sol-gel method. <i>Materials Letters</i> , 2000 , 42, 326-330	3.3	20
18	Cladding and characteristics of LiNbO ₃ single crystal fibre. <i>Journal of Modern Optics</i> , 2000 , 47, 1127-1136.1		3
17	Cladded optical fiber laser made from a-axis Nd:MgO:LiNbO ₃ single-crystal fiber with Mg-ion indiffusion 1999 , 3801, 134		
16	The effect of annealing atmosphere on structure characteristics of magnesium diffused lithium niobate single crystal substrates. <i>Ferroelectrics</i> , 1999 , 229, 249-254	0.6	
15	Fabrication of sol-gel-derived optical waveguide on InP for hybridized photonics applications. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, 649-651	2.6	2
14	Sol-Gel Derived Titania/ormosil Composite Thin Films For Optical Waveguide Applications. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 576, 427		
13	Photoluminescence and electroluminescence from copper doped zinc sulphide nanocrystals/polymer composite. <i>Applied Physics Letters</i> , 1998 , 73, 2727-2729	3.4	73
12	The Magnesium Diffused Layer Characteristics of a Lithium Niobate Single Crystal with Magnesium-Ion Indiffusion. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, 903-907	1.4	5
11	A-Axis Nd:MgO:LiNbO ₃ single crystal fibers with magnesium-ion indiffused cladding. <i>Ferroelectrics</i> , 1997 , 195, 269-272	0.6	2
10	Characterization of the magnesium diffused lithium niobate surface layer by xrd. <i>Ferroelectrics</i> , 1997 , 195, 15-18	0.6	
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8	Evaluation of Microstructure Characteristics of Lithium Niobate Single-Crystal Fiber with Magnesium-Ion-Indiffused Cladding. <i>Journal of the American Ceramic Society</i> , 1997 , 80, 2945-2948	3.8	5
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