Qunwei Tang

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.

338 papers	11,606 citations	56 h-index	86 g-index
346 ext. papers	13,429 ext. citations	8.3 avg, IF	7.03 L-index

#	Paper	IF	Citations
338	Polypyrrole-molybdenum sulfide complex as an efficient and transparent catalytic electrode for bifacial dye-sensitized solar cells. *Catalysis Communications*, **2022**, 163, 106403	3.2	1
337	Triboelectric sensor array for internet of things based smart traffic monitoring and management system. *Nano Energy*, **2022**, 92, 106757	17.1	9
336	Multifunctional interface modifier ammonium silicofluoride for efficient and stable all-inorganic CsPbBr3 perovskite solar cells. *Chemical Engineering Journal*, **2022**, 431, 134193	14.7	7
335	Understanding steric-charge-dependence of conjugated passivators on □Pb2+ bond strength for efficient all-inorganic perovskite solar cells. *Chemical Engineering Journal*, **2022**, 431, 134230	14.7	2
334	Robust tungsten oxide nanostructure for efficient photoelectric conversion and hydrogen evolution. *Materials Letters*, **2022**, 312, 131626	3.3	0
333	Healing soft interface for stable and high-efficiency all-inorganic CsPbIBr2 perovskite solar cells enabled by S-benzylisothiourea hydrochloride. *Chemical Engineering Journal*, **2022**, 430, 132781	14.7	6
332	Efficient interface engineering of N, N′-Dicyclohexylcarbodiimide for stable HTMs-free CsPbBr3 perovskite solar cells with 10.16%-efficiency. *Chemical Engineering Journal*, **2022**, 428, 131950	14.7	9
331	In-situ high-efficiency PM capture from motor vehicle exhaust based on self-powered ceramic porous triboelectric filter. *Nano Energy*, **2022**, 96, 107107	17.1	4
330	Tailoring type-II all-in-one buried interface for 1.635V-voltage, all-inorganic CsPbBr3 perovskite solar cells. *Nano Energy*, **2022**, 96, 107138	17.1	3
329	Universal Dynamic Liquid Interface for Healing Perovskite Solar Cells.. *Advanced Materials*, **2022**, e2202301	24	12
328	Laminated triboelectric acoustic energy harvester based on electrospun nanofiber towards real-time noise decibel monitoring. *Nano Energy*, **2022**, 107348	17.1	2
327	p-Type Charge Transfer Doping of Graphene Oxide with (NiCo) Fe O for Air-Stable, All-Inorganic CsPbIBr Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2021**, 60, 10608-10613	16.4	43
326	p-Type Charge Transfer Doping of Graphene Oxide with (NiCo)1−□FeyOx for Air-Stable, All-Inorganic CsPbIBr2 Perovskite Solar Cells. *Angewandte Chemie*, **2021**, 133, 10702-10707	3.6	3
325	High-Efficiency All-Inorganic Perovskite Solar Cells Tailored by Scalable Rutile TiO Nanorod Arrays with Excellent Stability. *ACS Applied Materials & Interfaces*, **2021**, 13, 12091-12098	9.5	7
324	Boosting power conversion efficiency by hybrid triboelectric nanogenerator/silicon tandem solar cell toward rain energy harvesting. *Nano Energy*, **2021**, 82, 105773	17.1	31
323	Dielectric Hole Collector toward Boosting Charge Transfer of CsPbBr3 Hybrid Nanogenerator by Coupling Triboelectric and Photovoltaic Effects. *Advanced Functional Materials*, **2021**, 31, 2101348	15.6	7
322	Nodding Duck Structure Multi-track Directional Freestanding Triboelectric Nanogenerator toward Low-Frequency Ocean Wave Energy Harvesting. *ACS Nano*, **2021**, 15, 9412-9421	16.7	22

321	Multifunctional brominated graphene oxide boosted charge extraction for high-efficiency and stable all-inorganic CsPbBr3 perovskite solar cells. *Chemical Engineering Journal*, **2021**, 412, 128727	14.7	11
320	Crystal-Plane Controlled Spontaneous Polarization of Inorganic Perovskite toward Boosting Triboelectric Surface Charge Density. *ACS Applied Materials & Interfaces*, **2021**, 13, 26196-26203	9.5	5
319	Effect of Side-Group-Regulated Dipolar Passivating Molecules on CsPbBr3 Perovskite Solar Cells. *ACS Energy Letters*, **2021**, 6, 2336-2342	20.1	30
318	Efficient Defect Passivation and Charge Extraction with Hexamethylenetetramine Interface Modification for Hole-Transporting Layers-Free CsPbBr3 Perovskite Solar Cells. *Solar Rrl*, **2021**, 5, 2100344	7.1	2
317	Ultraviolet filtration and defect passivation for efficient and photostable CsPbBr3 perovskite solar cells by interface engineering with ultraviolet absorber. *Chemical Engineering Journal*, **2021**, 404, 126548	14.7	11
316	Tailoring organic bulk-heterojunction for charge extraction and spectral absorption in CsPbBr3 perovskite solar cells. *Science China Materials*, **2021**, 64, 798-807	7.1	6
315	Review on recent progress of lead-free halide perovskites in optoelectronic applications. *Nano Energy*, **2021**, 80, 105526	17.1	51
314	Enhanced hole extraction by electron-rich alloys in all-inorganic CsPbBr perovskite solar cells. *Chemical Communications*, **2021**, 57, 7577-7580	5.8	2
313	Tri-Brominated Perovskite Film Management and Multiple-Ionic Defect Passivation for Highly Efficient and Stable Solar Cells. *Solar Rrl*, **2021**, 5, 2000819	7.1	3
312	Flexible, All-Inorganic CsPbBr Perovskite Solar Cells Tailored by Heat-resistant Muscovite Substrates. *ChemSusChem*, **2021**, 14, 1512-1516	8.3	5
311	Dimensionality Control of SnO Films for Hysteresis-Free, All-Inorganic CsPbBr Perovskite Solar Cells with Efficiency Exceeding 10. *ACS Applied Materials & Interfaces*, **2021**, 13, 11058-11066	9.5	12
310	The Main Progress of Perovskite Solar Cells in 2020-2021. *Nano-Micro Letters*, **2021**, 13, 152	19.5	78
309	Tailored Lattice "Tape" to Confine Tensile Interface for 11.08%-Efficiency All-Inorganic CsPbBr Perovskite Solar Cell with an Ultrahigh Voltage of 1.702 V. *Advanced Science*, **2021**, 8, e2101418	13.6	46
308	Reducing defect of inorganic perovskite film by sulphur-containing Lewis base for robust photodetectors. *Journal of Energy Chemistry*, **2021**, 61, 163-169	12	4
307	Alkali chloride doped SnO2 electron-transporting layers for boosting charge transfer and passivating defects in all-inorganic CsPbBr3 perovskite solar cells. *Journal of Materials Chemistry A*, **2021**, 9, 15003-15011	13	8
306	Phase Control of Cs-Pb-Br Derivatives to Suppress 0D Cs PbBr for High-Efficiency and Stable All-Inorganic CsPbBr Perovskite Solar Cells.. *Small*, **2021**, e2106323	11	5
305	Triboelectric behaviors of inorganic Cs1 AxPbBr3 halide perovskites toward enriching the triboelectric series. *Journal of Materials Chemistry A*, **2020**, 8, 25696-25705	13	5
304	Bulk Pt/CsPbBr3 Schottky junctions for charge boosting in robust triboelectric nanogenerators. *Journal of Materials Chemistry A*, **2020**, 8, 11966-11975	13	14

303	Lattice-tailored low-temperature processed electron transporting materials boost the open-circuit voltage of planar CsPbBr3 perovskite solar cells up to 1.654 V. *Journal of Materials Chemistry A*, **2020**, 8, 11859-11866	13	15
302	Cumulative charging behavior of water droplet driven freestanding triboelectric nanogenerators toward hydrodynamic energy harvesting. *Journal of Materials Chemistry A*, **2020**, 8, 7880-7888	13	30
301	Halogen regulation of inorganic perovskites toward robust triboelectric nanogenerators and charging polarity series. *Journal of Materials Chemistry A*, **2020**, 8, 14299-14307	13	11
300	Boosted hole extraction in all-inorganic CsPbBr3 perovskite solar cells by interface engineering using MoO2/N-doped carbon nanospheres composite. *Solar Energy Materials and Solar Cells*, **2020**, 209, 110460	6.4	16
299	Grain Enlargement and Defect Passivation with Melamine Additives for High Efficiency and Stable CsPbBr Perovskite Solar Cells. *ChemSusChem*, **2020**, 13, 1834-1843	8.3	32
298	Tailoring all-inorganic cesium lead halide perovskites for robust triboelectric nanogenerators. *Nano Energy*, **2020**, 70, 104514	17.1	24
297	Interfacial electric field enhanced charge density for robust triboelectric nanogenerators by tailoring metal/perovskite Schottky junction. *Nano Energy*, **2020**, 73, 104747	17.1	20
296	Photoactivated transition metal dichalcogenides to boost electron extraction for all-inorganic tri-brominated planar perovskite solar cells. *Journal of Materials Chemistry A*, **2020**, 8, 7784-7791	13	17
295	Charge boosting and storage by tailoring rhombus all-inorganic perovskite nanoarrays for robust triboelectric nanogenerators. *Nano Energy*, **2020**, 74, 104845	17.1	17
294	Enhanced energy level alignment and hole extraction of carbon electrode for air-stable hole-transporting material-free CsPbBr3 perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2020**, 205, 110267	6.4	26
293	Precise stress control of inorganic perovskite films for carbon-based solar cells with an ultrahigh voltage of 1.622 V. *Nano Energy*, **2020**, 67, 104286	17.1	70
292	Alkyl-Chain-Regulated Charge Transfer in Fluorescent Inorganic CsPbBr Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2020**, 59, 4391-4395	16.4	73
291	Alkyl-Chain-Regulated Charge Transfer in Fluorescent Inorganic CsPbBr3 Perovskite Solar Cells. *Angewandte Chemie*, **2020**, 132, 4421-4425	3.6	13
290	The unique dielectricity of inorganic perovskites toward high-performance triboelectric nanogenerators. *Nano Energy*, **2020**, 69, 104418	17.1	39
289	Interface Engineering of Imidazolium Ionic Liquids toward Efficient and Stable CsPbBr Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 4540-4548	9.5	69
288	Oxygen vacancies enriched Co3O4 nanoflowers with single layer porous structures for water splitting. *Electrochimica Acta*, **2020**, 331, 135456	6.7	27
287	Unveiling the interfacial charge extraction kinetics in inorganic perovskite solar cells with formamidinium lead halide (FAPbX3) nanocrystals. *Solar Energy*, **2020**, 195, 644-650	6.8	12
286	Cluster effect of additives in precursors for inorganic perovskites solar cells. *Electrochimica Acta*, **2020**, 331, 135379	6.7	4

285	Alkali Metal Ion-Regulated Lead-free, All-Inorganic Double Perovskites for HTM-free, Carbon-Based Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 47408-47415	9.5	21
284	Triboelectric charging behaviors and photoinduced enhancement of alkaline earth ions doped inorganic perovskite triboelectric nanogenerators. *Nano Energy*, **2020**, 77, 105280	17.1	14
283	Enhanced Efficiency of Air-Stable CsPbBr Perovskite Solar Cells by Defect Dual Passivation and Grain Size Enlargement with a Multifunctional Additive. *ACS Applied Materials & Interfaces*, **2020**, 12, 36092-36101	9.5	30
282	Compositional Engineering of Chloride Ion-Doped CsPbBr3 Halides for Highly Efficient and Stable All-Inorganic Perovskite Solar Cells. *Solar Rrl*, **2020**, 4, 2000362	7.1	10
281	Interfacial Strain Release from the WS2/CsPbBr3 van der Waals Heterostructure for 1.7 V Voltage All-Inorganic Perovskite Solar Cells. *Angewandte Chemie*, **2020**, 132, 22181-22185	3.6	29
280	Improved charge extraction through interface engineering for 10.12% efficiency and stable CsPbBr3 perovskite solar cells. *Journal of Materials Chemistry A*, **2020**, 8, 20987-20997	13	24
279	Interfacial Strain Release from the WS /CsPbBr van der Waals Heterostructure for 1.7 V Voltage All-Inorganic Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2020**, 59, 21997-22001	16.4	65
278	Nanowrinkle-patterned flexible woven triboelectric nanogenerator toward self-powered wearable electronics. *Nano Energy*, **2020**, 73, 104797	17.1	33
277	Tri-functionalized TiO Cl4-2 accessory layer to boost efficiency of hole-free, all-inorganic perovskite solar cells. *Journal of Energy Chemistry*, **2020**, 50, 1-8	12	13
276	Hole-Boosted Cu(Cr,M)O2 Nanocrystals for All-Inorganic CsPbBr3 Perovskite Solar Cells. *Angewandte Chemie*, **2019**, 131, 16293-16297	3.6	19
275	Hole-Boosted Cu(Cr,M)O Nanocrystals for All-Inorganic CsPbBr Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 16147-16151	16.4	77
274	Inorganic perovskite solar cells: an emerging member of the photovoltaic community. *Journal of Materials Chemistry A*, **2019**, 7, 21036-21068	13	93
273	Photo-induced charge boosting of liquid–solid electrokinetic generators for efficient wave energy harvesting. *Journal of Materials Chemistry A*, **2019**, 7, 5373-5380	13	9
272	A revolution of photovoltaics: persistent electricity generation beyond solar irradiation. *Dalton Transactions*, **2019**, 48, 799-805	4.3	10
271	Toward efficient and air-stable carbon-based all-inorganic perovskite solar cells through substituting CsPbBr3 films with transition metal ions. *Chemical Engineering Journal*, **2019**, 375, 121930	14.7	53
270	Poly(3-hexylthiophene)/zinc phthalocyanine composites for advanced interface engineering of 10.03%-efficiency CsPbBr3 perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 12635-12644	13	63
269	Quaternary quantum dots with gradient valence band for all-inorganic perovskite solar cells. *Journal of Colloid and Interface Science*, **2019**, 549, 33-41	9.3	10
268	Using SnO2 QDs and CsMBr3 (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr3 Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V (Solar RRL 3 2019). *Solar Rrl*, **2019**, 3, 1970035	7.1	1

267	Co/Se and Ni/Se nanocomposite films prepared by magnetron sputtering as counter electrodes for dye-sensitized solar cells. *Solar Energy*, **2019**, 180, 85-91	6.8	23
266	Well-aligned NiPt alloy counter electrodes for high-efficiency dye-sensitized solar cell applications. *Journal of Energy Chemistry*, **2019**, 30, 49-56	12	16
265	Enhanced charge extraction in carbon-based all-inorganic CsPbBr3 perovskite solar cells by dual-function interface engineering. *Electrochimica Acta*, **2019**, 328, 135102	6.7	22
264	10.34%-efficient integrated CsPbBr3/bulk-heterojunction solar cells. *Journal of Power Sources*, **2019**, 440, 227151	8.9	25
263	Advanced Modification of Perovskite Surfaces for Defect Passivation and Efficient Charge Extraction in Air-Stable CsPbBr3 Perovskite Solar Cells. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19286-19294	8.3	29
262	Divalent hard Lewis acid doped CsPbBr3 films for 9.63%-efficiency and ultra-stable all-inorganic perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 6877-6882	13	68
261	Sonochemistry-assisted black/red phosphorus hybrid quantum dots for dye-sensitized solar cells. *Journal of Power Sources*, **2019**, 410-411, 53-58	8.9	21
260	Using SnO2 QDs and CsMBr3 (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr3 Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V. *Solar Rrl*, **2019**, 3, 1800284	7.1	65
259	Photoelectric engineering of bifacial dye-sensitized solar cells beyond sunny days. *Electrochimica Acta*, **2019**, 297, 660-668	6.7	2
258	Self-powered flexible monoelectrodes from graphene/reduced graphene oxide composite films to harvest rain energy. *Journal of Alloys and Compounds*, **2019**, 776, 31-35	5.7	7
257	9.07%-Efficiency dye-sensitized solar cell from Pt-free RuCoSe ternary alloy counter electrode. *Materials Letters*, **2018**, 218, 76-79	3.3	10
256	Cubic carbon quantum dots for light-harvesters in mesoscopic solar cells. *Electrochimica Acta*, **2018**, 275, 275-280	6.7	13
255	Simplified Perovskite Solar Cell with 4.1% Efficiency Employing Inorganic CsPbBr as Light Absorber. *Small*, **2018**, 14, e1704443	11	91
254	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. *Angewandte Chemie - International Edition*, **2018**, 57, 5746-5749	16.4	95
253	A porous ceramic membrane tailored high-temperature supercapacitor. *Journal of Power Sources*, **2018**, 379, 60-67	8.9	17
252	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. *Angewandte Chemie - International Edition*, **2018**, 57, 3787-3791	16.4	318
251	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. *Angewandte Chemie*, **2018**, 130, 3849-3853	3.6	76
250	Self-Powered Low-Platinum Nanorod Alloy Monoelectrodes for Rain Energy Harvest. *Energy Technology*, **2018**, 6, 1606-1609	3.5	1

249	S-doped CQDs tailored transparent counter electrodes for high-efficiency bifacial dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 261, 588-595	6.7	22
248	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. *Angewandte Chemie*, **2018**, 130, 5848-5851	3.6	17
247	Generators to harvest ocean wave energy through electrokinetic principle. *Nano Energy*, **2018**, 48, 128-133	17.1	34
246	Alloy-Controlled Work Function for Enhanced Charge Extraction in All-Inorganic CsPbBr Perovskite Solar Cells. *ChemSusChem*, **2018**, 11, 1432-1437	8.3	45
245	Harvest rain energy by polyaniline-graphene composite films. *Renewable Energy*, **2018**, 125, 995-1002	8.1	19
244	Film-type rain energy converters from conductive polymer/PtCo hybrids. *Applied Energy*, **2018**, 218, 317-324	8.4	7
243	Bifunctional polyaniline electrode tailored hybridized solar cells for energy harvesting from sun and rain. *Journal of Energy Chemistry*, **2018**, 27, 742-747	12	10
242	9.13%-Efficiency and stable inorganic CsPbBr3 solar cells. Lead-free CsSnBr3-xIx quantum dots promote charge extraction. *Journal of Power Sources*, **2018**, 399, 76-82	8.9	79
241	CdZnSe@ZnSe colloidal alloy quantum dots for high-efficiency all-inorganic perovskite solar cells. *Chemical Communications*, **2018**, 54, 9575-9578	5.8	38
240	Lattice Modulation of Alkali Metal Cations Doped Cs1−RxPbBr3 Halides for Inorganic Perovskite Solar Cells. *Solar Rrl*, **2018**, 2, 1800164	7.1	119
239	Toward charge extraction in all-inorganic perovskite solar cells by interfacial engineering. *Journal of Materials Chemistry A*, **2018**, 6, 21999-22004	13	54
238	A ceramic NiO/ZrO2 separator for high-temperature supercapacitor up to 140 °C. *Journal of Power Sources*, **2018**, 400, 126-134	8.9	18
237	Rain-responsive polypyrrole-graphene/PtCo electrodes for energy harvest. *Electrochimica Acta*, **2018**, 285, 139-148	6.7	4
236	Improved charge extraction with N-doped carbon quantum dots in dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 282, 255-262	6.7	25
235	Nitrogen-doped carbon quantum dots from biomass via simple one-pot method and exploration of their application. *Applied Surface Science*, **2018**, 434, 1079-1085	6.7	72
234	All-inorganic CsPbBr3 perovskite solar cell with 10.26% efficiency by spectra engineering. *Journal of Materials Chemistry A*, **2018**, 6, 24324-24329	13	133
233	Organic hole-transporting materials for 9.32%-efficiency and stable CsPbBr3 perovskite solar cells. *Materials Chemistry Frontiers*, **2018**, 2, 2239-2244	7.8	30
232	Lanthanide Ions Doped CsPbBr3 Halides for HTM-Free 10.14%-Efficiency Inorganic Perovskite Solar Cell with an Ultrahigh Open-Circuit Voltage of 1.594 V. *Advanced Energy Materials*, **2018**, 8, 1802346	21.8	281

231	Ternary hybrid PtM@polyaniline (M= Ni, FeNi) counter electrodes for dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 291, 114-123	6.7	8
230	Metal and Alloy for CE Catalysts in Dye-Sensitized Solar Cells **2018**, 47-69		2
229	Enhanced charge extraction with all-carbon electrodes for inorganic CsPbBr perovskite solar cells. *Dalton Transactions*, **2018**, 47, 15283-15287	4.3	26
228	Spray-assisted deposition of CsPbBr3 films in ambient air for large-area inorganic perovskite solar cells. *Materials Today Energy*, **2018**, 10, 146-152	7	45
227	Lead-free CH3NH3SnBr3-xIx perovskite quantum dots for mesoscopic solar cell applications. *Electrochimica Acta*, **2018**, 282, 807-812	6.7	27
226	Enhanced charge extraction by setting intermediate energy levels in all-inorganic CsPbBr3 perovskite solar cells. *Electrochimica Acta*, **2018**, 279, 84-90	6.7	38
225	Efficiency enhancement of bifacial dye-sensitized solar cells through bi-tandem carbon quantum dots tailored transparent counter electrodes. *Electrochimica Acta*, **2018**, 278, 204-209	6.7	21
224	Hybridized dye-sensitized solar cells for persistent power generation free of sun illumination. *Electrochimica Acta*, **2018**, 280, 181-190	6.7	6
223	Self-powered monoelectrodes made from graphene composite films to harvest rain energy. *Energy*, **2018**, 158, 555-563	7.9	11
222	All-inorganic bifacial CsPbBr perovskite solar cells with a 98.5%-bifacial factor. *Chemical Communications*, **2018**, 54, 8237-8240	5.8	21
221	Transparent ternary alloy counter electrodes for high-efficiency bifacial dye-sensitized solar cells. *Solar Energy*, **2018**, 170, 762-768	6.8	16
220	Controllable synthesis of organic-inorganic hybrid halide perovskite quantum dots for quasi-solid-state solar cells. *Electrochimica Acta*, **2018**, 282, 263-269	6.7	14
219	Toward fast charge extraction in all-inorganic CsPbBr3 perovskite solar cells by setting intermediate energy levels. *Solar Energy*, **2018**, 171, 279-285	6.8	54
218	Can dye-sensitized solar cells generate electricity in the dark?. *Nano Energy*, **2017**, 33, 266-271	17.1	32
217	Long persistence phosphor assisted all-weather solar cells. Electricity generation beyond sunny days. *Chemical Communications*, **2017**, 53, 3209-3212	5.8	16
216	All-Weather Solar Cells: A Rising Photovoltaic Revolution. *Chemistry - A European Journal*, **2017**, 23, 8118-8127	4.8	13
215	Rapid Conversion from Carbohydrates to Large-Scale Carbon Quantum Dots for All-Weather Solar Cells. *ACS Nano*, **2017**, 11, 1540-1547	16.7	118
214	Transparent molybdenum sulfide decorated polyaniline complex counter electrodes for efficient bifacial dye-sensitized solar cells. *Solar Energy*, **2017**, 147, 470-478	6.8	30

213	Mo incorporated W18O49 nanofibers as robust electrocatalysts for high-efficiency hydrogen evolution. *International Journal of Hydrogen Energy*, **2017**, 42, 14534-14546	6.7	11
212	Robust electrocatalysts from metal doped WO nanofibers for hydrogen evolution. *Chemical Communications*, **2017**, 53, 4323-4326	5.8	15
211	A long persistence phosphor tailored quasi-solid-state dye-sensitized solar cell that generates electricity in sunny and dark weathers. *Chemical Communications*, **2017**, 53, 4815-4817	5.8	5
210	Photoelectric conversion beyond sunny days: all-weather carbon quantum dot solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 2143-2150	13	45
209	Photoelectric engineering of all-weather bifacial solar cells in the dark. *Electrochimica Acta*, **2017**, 254, 299-307	6.7	5
208	Efficiency enhancement of hybridized solar cells through co-sensitization and fast charge extraction by up-converted polyethylene glycol modified carbon quantum dots. *Journal of Power Sources*, **2017**, 367, 158-166	8.9	11
207	Self-powered PEDOT and derivate monoelectrodes to harvest rain energy. *Nano Energy*, **2017**, 41, 293-300	17.1	22
206	Biomass converted carbon quantum dots for all-weather solar cells. *Electrochimica Acta*, **2017**, 257, 259-266	6.7	34
205	Hollow optical fiber induced solar cells with optical energy storage and conversion. *Chemical Communications*, **2017**, 53, 12233-12235	5.8	5
204	Frontispiece: All-Weather Solar Cells: A Rising Photovoltaic Revolution. *Chemistry - A European Journal*, **2017**, 23,	4.8	1
203	Carbon quantum dot tailored counter electrode for 7.01%-rear efficiency in a bifacial dye-sensitized solar cell. *Chemical Communications*, **2017**, 53, 9894-9897	5.8	30
202	Interfacial engineering of hybridized solar cells for simultaneously harvesting solar and rain energies. *Journal of Materials Chemistry A*, **2017**, 5, 18551-18560	13	8
201	Extra-high short-circuit current for bifacial solar cells in sunny and dark-light conditions. *Chemical Communications*, **2017**, 53, 10046-10049	5.8	7
200	Filling perovskite (5-AVA)y(CH3NH3)1−yPbI3 or (5-AVA)y(CH3NH3)1−yPbI3−xClx halide in a 3D gel framework for multi-deformable perovskite solar cell. *Solar Energy Materials and Solar Cells*, **2017**, 160, 67-76	6.4	7
199	Microenvironment-Responsive Three-Pronged Approach Breaking Traditional Chemotherapy to Target Cancer Stem Cells for Synergistic Inoperable Large Tumor Therapy. *Small*, **2016**, 12, 5516-5523	11	11
198	Room-temperature fabrication of multi-deformable perovskite solar cells made in a three-dimensional gel framework. *RSC Advances*, **2016**, 6, 82933-82940	3.7	7
197	Platinum Alloy Tailored All-Weather Solar Cells for Energy Harvesting from Sun and Rain. *Angewandte Chemie*, **2016**, 128, 14624-14628	3.6	10
196	Double-layered TiO 2 anodes from nanorods and nanoparticles for dye-sensitized solar cells. *Materials Letters*, **2016**, 180, 228-230	3.3	9

195	Enhanced light harvesting of TiO2/La0.95Tb0.05PO4 photoanodes for dye-sensitized solar cells. *Materials Chemistry and Physics*, **2016**, 173, 340-346	4.4	4
194	Spatial confinement growth of perovskite nanocrystals for ultra-flexible solar cells. *RSC Advances*, **2016**, 6, 59429-59437	3.7	3
193	Cylindrical dye-sensitized solar cells with high efficiency and stability over time and incident angle. *Chemical Communications*, **2016**, 52, 3528-31	5.8	11
192	Ternary platinum alloy counter electrodes for high-efficiency dye-sensitized solar cells. *Electrochimica Acta*, **2016**, 190, 85-91	6.7	40
191	A strategy of integrating ultraviolet absorption and crosslinking in a single molecule: DFT calculation and experimental. *Journal of Molecular Structure*, **2016**, 1107, 249-253	3.4	3
190	Counter electrode electrocatalysts from one-dimensional coaxial alloy nanowires for efficient dye-sensitized solar cells. *Journal of Power Sources*, **2016**, 302, 361-368	8.9	33
189	Bifacial quasi-solid-state dye-sensitized solar cells with metal selenide counter electrodes. *Electrochimica Acta*, **2016**, 188, 560-565	6.7	20
188	A branching NiCuPt alloy counter electrode for high-efficiency dye-sensitized solar cell. *Applied Surface Science*, **2016**, 362, 28-34	6.7	31
187	New corrosion inhibitor acrylamide methyl ether for mild steel in 1 M HCl. *Applied Surface Science*, **2016**, 371, 248-257	6.7	43
186	Hypoxia-responsive drug–drug conjugated nanoparticles for breast cancer synergistic therapy. *RSC Advances*, **2016**, 6, 30268-30276	3.7	22
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184	ZnO nanorods assisted Ni1.1Pt and Co3.9Pt alloy microtube counter electrodes for efficient dye-sensitized solar cells. *Electrochimica Acta*, **2016**, 190, 903-911	6.7	10
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