

# Nam-Gyu Park

## List of Publications by Year in descending order

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358  
papers

62,919  
citations

1370

108  
h-index

850

244  
g-index

375  
all docs

375  
docs citations

375  
times ranked

34888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials and Methods for High-Efficiency Perovskite Solar Modules. Solar Rrl, 2022, 6, 2100455.	3.1	51
2	Extended X-ray absorption fine structure (EXAFS) of FAPbI <sub>3</sub> for understanding local structure-stability relation in perovskite solar cells. Journal of Energy Chemistry, 2022, 67, 549-554.	7.1	16
3	Methodologies for >30% Efficient Perovskite Solar Cells via Enhancement of Voltage and Fill Factor. Solar Rrl, 2022, 6, 2100767.	3.1	21
4	Vertically aligned two-dimensional halide perovskites for reliably operable artificial synapses. Materials Today, 2022, 52, 19-30.	8.3	40
5	Quasi-Two-Dimensional Perovskite Solar Cells with Efficiency Exceeding 22%. ACS Energy Letters, 2022, 7, 757-765.	8.8	114
6	Effect of Fluorine Substitution in a Hole Dopant on the Photovoltaic Performance of Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 741-748.	8.8	14
7	Challenges for Thermally Stable Spiro-MeOTAD toward the Market Entry of Highly Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 34220-34227.	4.0	17
8	Antiseptic Povidone-Iodine Heals the Grain Boundary of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 8984-8991.	4.0	28
9	Rethinking the A cation in halide perovskites. Science, 2022, 375, eabj1186.	6.0	207
10	Sustainable Green Process for Environmentally Viable Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 1154-1177.	8.8	43
11	Polyacrylic Acid Grafted Carbon Nanotubes for Immobilization of Lead(II) in Perovskite Solar Cell. ACS Energy Letters, 2022, 7, 1577-1585.	8.8	33
12	Mixed-Dimensional Formamidinium Bismuth Iodides Featuring In-Situ Formed Type-II Band Structure for Convolution Neural Networks. Advanced Science, 2022, 9, e2200168.	5.6	8
13	Stability-limiting heterointerfaces of perovskite photovoltaics. Nature, 2022, 605, 268-273.	13.7	229
14	Enhanced band-filling effect in halide perovskites via hydrophobic conductive linkers. Cell Reports Physical Science, 2022, 3, 100800.	2.8	3
15	High-performing laminated perovskite solar cells by surface engineering of perovskite films. Applied Surface Science, 2022, 591, 153148.	3.1	10
16	Synthetic Powder-Based Thin (<math>\approx 0.1 \mu\text{m}</math>) Cs <sub>3</sub> Bi <sub>2</sub> Br <sub>9</sub> Perovskite Films for Air-Stable and Viable Resistive Switching Memory. ACS Applied Electronic Materials, 2022, 4, 2388-2395.	2.0	21
17	Device Performance of Emerging Photovoltaic Materials (Version 1). Advanced Energy Materials, 2021, 11, 2002774.	10.2	93
18	A Review on Scaling Up Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2008621.	7.8	143

#	ARTICLE	IF	CITATIONS
19	Green solvent for perovskite solar cell production. <i>Nature Sustainability</i> , 2021, 4, 192-193.	11.5	50
20	Recent cutting-edge strategies for flexible perovskite solar cells toward commercialization. <i>Chemical Communications</i> , 2021, 57, 11604-11612.	2.2	6
21	Dynamic structural property of organic-inorganic metal halide perovskite. <i>IScience</i> , 2021, 24, 101959.	1.9	29
22	Scalable perovskite coating <i>via</i> anti-solvent-free Lewis acid–base adduct engineering for efficient perovskite solar modules. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3018-3028.	5.2	58
23	A layered ( $n\text{-C}_{40}\text{H}_{90}\text{NH}_3\text{CsAgBiBr}_7$ ) perovskite for bipolar resistive switching memory with a high ON/OFF ratio. <i>Nanoscale</i> , 2021, 13, 12475-12483.	2.8	15
24	Dynamic halide perovskite heterojunction generates direct current. <i>Energy and Environmental Science</i> , 2021, 14, 374-381.	15.6	31
25	Capturing Mobile Lithium Ions in a Molecular Hole Transporter Enhances the Thermal Stability of Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2007431.	11.1	64
26	Stabilizing Mixed Halide Lead Perovskites against Photoinduced Phase Segregation by A-Site Cation Alloying. <i>ACS Energy Letters</i> , 2021, 6, 837-847.	8.8	34
27	How antisolvent miscibility affects perovskite film wrinkling and photovoltaic properties. <i>Nature Communications</i> , 2021, 12, 1554.	5.8	63
28	Dual Additive for Simultaneous Improvement of Photovoltaic Performance and Stability of Perovskite Solar Cell. <i>Advanced Functional Materials</i> , 2021, 31, 2100396.	7.8	66
29	Quasi-two-dimensional perovskite light emitting diodes for bright future. <i>Light: Science and Applications</i> , 2021, 10, 86.	7.7	17
30	Nanocrystalline Polymorphic Energy Funnels for Efficient and Stable Perovskite Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2021, 6, 1821-1830.	8.8	23
31	Amorphous $\text{AlO}_6\text{-SnO}_2$ nanocomposite electron-selective layers yielding over 21% efficiency in ambient-air-processed $\text{MAPbI}_3$ -based planar solar cells. <i>Chemical Engineering Journal</i> , 2021, 409, 128215.	6.6	8
32	Nonhalide Materials for Efficient and Stable Perovskite Solar Cells. <i>Small Methods</i> , 2021, 5, e2100311.	4.6	21
33	Progress of Perovskite Solar Modules. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000051.	2.8	19
34	Viscosity Blending Approach for 22.42% Efficient Perovskite Solar Cells. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1112-1120.	1.0	11
35	Nonchemical <i>n</i> - and <i>p</i> -Type Charge Transfer Doping of $\text{FAPbI}_3$ Perovskite. <i>ACS Energy Letters</i> , 2021, 6, 2817-2824.	8.8	19
36	Simultaneous Enhanced Efficiency and Stability of Perovskite Solar Cells Using Adhesive Fluorinated Polymer Interfacial Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35595-35605.	4.0	20

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37	Amorphous TiO <sub>2</sub> Coatings Stabilize Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 3332-3341.	8.8	38
38	Cyclohexylammonium-Based 2D/3D Perovskite Heterojunction with Funnel-Like Energy Band Alignment for Efficient Solar Cells (23.91%). Advanced Energy Materials, 2021, 11, 2102236.	10.2	77
39	Effect of Chemical Bonding Nature of Post-Treatment Materials on Photovoltaic Performance of Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 3435-3442.	8.8	34
40	Efficient surface passivation of perovskite films by a post-treatment method with a minimal dose. Journal of Materials Chemistry A, 2021, 9, 3441-3450.	5.2	60
41	Asymmetric carrier transport in flexible interface-type memristor enables artificial synapses with sub-femtojoule energy consumption. Nanoscale Horizons, 2021, 6, 987-997.	4.1	16
42	Propylammonium Chloride Additive for Efficient and Stable FAPbI <sub>3</sub> Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2102538.	10.2	84
43	Device Performance of Emerging Photovoltaic Materials (Version 2). Advanced Energy Materials, 2021, 11, .	10.2	66
44	A Correlation between Iodoplumbate and Photovoltaic Performance of Perovskite Solar Cells Observed by Precursor Solution Aging. Small Methods, 2020, 4, 1900398.	4.6	38
45	High Efficiency Perovskite Solar Cells: Materials and Devices Engineering. Transactions on Electrical and Electronic Materials, 2020, 21, 1-15.	1.0	21
46	Chemical Approaches for Stabilizing Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1903249.	10.2	132
47	Achieving Reproducible and High-Efficiency (>21%) Perovskite Solar Cells with a Presynthesized FAPbI <sub>3</sub> Powder. ACS Energy Letters, 2020, 5, 360-366.	8.8	139
48	Roadmap on halide perovskite and related devices. Nanotechnology, 2020, 31, 152001.	1.3	24
49	Research Direction toward Scalable, Stable, and High Efficiency Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1903106.	10.2	193
50	Paradoxical Approach with a Hydrophilic Passivation Layer for Moisture-Stable, 23% Efficient Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 3268-3275.	8.8	110
51	Methodologies for structural investigations of organic lead halide perovskites. Materials Today, 2020, 38, 67-83.	8.3	7
52	Effect of alkaline earth metal chloride additives BCl <sub>2</sub> (B = Mg, Ca, Sr and Ba) on the photovoltaic performance of FAPbI <sub>3</sub> based perovskite solar cells. Nanoscale Horizons, 2020, 5, 1332-1343.	4.1	40
53	High-Efficiency Perovskite Solar Cells. Chemical Reviews, 2020, 120, 7867-7918.	23.0	1,480
54	A thin film (<200 nm) perovskite solar cell with 18% efficiency. Journal of Materials Chemistry A, 2020, 8, 17420-17428.	5.2	14

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55	Materials and Methods for Interface Engineering toward Stable and Efficient Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 2742-2786.	8.8	307
56	Effect of Additives AX (A=FA, MA, Cs, Rb, NH <sub>4</sub> , X=Cl, Br, I) in FAPbI <sub>3</sub> Perovskite Photovoltaic Parameters of Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000331.	3.1	55
57	Importance of tailoring lattice strain in halide perovskite crystals. NPG Asia Materials, 2020, 12, .	3.8	88
58	A Realistic Methodology for 30% Efficient Perovskite Solar Cells. Chem, 2020, 6, 1254-1264.	5.8	160
59	Layered (C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> CuBr <sub>4</sub> Perovskite for Multilevel Storage Resistive Switching Memory. Advanced Functional Materials, 2020, 30, 2002653.	7.8	70
60	CsPbBr <sub>3</sub> /CH <sub>3</sub> NH <sub>3</sub> PbCl <sub>3</sub> Double Layer Enhances Efficiency and Lifetime of Perovskite Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2191-2199.	8.8	44
61	Stability of Precursor Solution for Perovskite Solar Cell: Mixture (FAI + PbI <sub>2</sub> ) versus Synthetic FAPbI <sub>3</sub> Crystal. ACS Applied Materials & Interfaces, 2020, 12, 15167-15174.	4.0	49
62	Proton-transfer-induced 3D/2D hybrid perovskites suppress ion migration and reduce luminance overshoot. Nature Communications, 2020, 11, 3378.	5.8	108
63	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. Nature Energy, 2020, 5, 35-49.	19.8	797
64	17% efficient perovskite solar mini-module <i>via</i> hexamethylphosphoramide (HMPA)-adduct-based large-area D-bar coating. Journal of Materials Chemistry A, 2020, 8, 9345-9354.	5.2	44
65	Scalable fabrication and coating methods for perovskite solar cells and solar modules. Nature Reviews Materials, 2020, 5, 333-350.	23.3	568
66	Organic-inorganic hybrid lead halides as absorbers in perovskite solar cells: a debate on ferroelectricity. Journal Physics D: Applied Physics, 2020, 53, 493002.	1.3	26
67	The 2019 materials by design roadmap. Journal Physics D: Applied Physics, 2019, 52, 013001.	1.3	236
68	Importance of Functional Groups in Cross-Linking Methoxysilane Additives for High-Efficiency and Stable Perovskite Solar Cells. ACS Energy Letters, 2019, 4, 2192-2200.	8.8	157
69	Multifunctional Chemical Linker Imidazoleacetic Acid Hydrochloride for 21% Efficient and Stable Planar Perovskite Solar Cells. Advanced Materials, 2019, 31, e1902902.	11.1	366
70	Water Splitting Exceeding 17% Solar-to-Hydrogen Conversion Efficiency Using Solution-Processed Ni-Based Electrocatalysts and Perovskite/Si Tandem Solar Cell. ACS Applied Materials & Interfaces, 2019, 11, 33835-33843.	4.0	67
71	The effect of compositional engineering of imidazolium lead iodide on the resistive switching properties. Nanoscale, 2019, 11, 14455-14464.	2.8	16
72	Effect of interlayer spacing in layered perovskites on resistive switching memory. Nanoscale, 2019, 11, 14330-14338.	2.8	39

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73	Potassium ions as a kinetic controller in ionic double layers for hysteresis-free perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18807-18815.	5.2	54
74	Elongated Lifetime and Enhanced Flux of Hot Electrons on a Perovskite Plasmonic Nanodiode. <i>Nano Letters</i> , 2019, 19, 5489-5495.	4.5	38
75	Flexible Perovskite Solar Cells. <i>Joule</i> , 2019, 3, 1850-1880.	11.7	242
76	Precursor Engineering for a Large-Area Perovskite Solar Cell with >19% Efficiency. <i>ACS Energy Letters</i> , 2019, 4, 2393-2401.	8.8	127
77	Hot Scientific Debate on Halide Perovskites: Fundamentals, Photovoltaics, and Optoelectronics at Eighth Sungkyun International Solar Forum 2019 (SISF 2019). <i>ACS Energy Letters</i> , 2019, 4, 2475-2479.	8.8	5
78	Atomic layer deposition for efficient and stable perovskite solar cells. <i>Chemical Communications</i> , 2019, 55, 2403-2416.	2.2	76
79	Importance of Oxygen Partial Pressure in Annealing NiO Film for High Efficiency Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800339.	3.1	38
80	Morphological and compositional progress in halide perovskite solar cells. <i>Chemical Communications</i> , 2019, 55, 1192-1200.	2.2	136
81	Bifacial stamping for high efficiency perovskite solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 308-321.	15.6	91
82	Gradient Sn-Doped Heteroepitaxial Film of Faceted Rutile TiO <sub>2</sub> as an Electron Selective Layer for Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19638-19646.	4.0	32
83	Perovskite-related (CH <sub>3</sub> NH <sub>3</sub> ) <sub>3</sub> Sb <sub>2</sub> Br <sub>9</sub> for forming-free memristor and low-energy-consuming neuromorphic computing. <i>Nanoscale</i> , 2019, 11, 6453-6461.	2.8	121
84	Light Emission Enhancement by Tuning the Structural Phase of APbBr <sub>3</sub> (A =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td ( 2135-2142.	2.1	12
85	Verification and mitigation of ion migration in perovskite solar cells. <i>APL Materials</i> , 2019, 7, .	2.2	179
86	On the Currentâ€“Voltage Hysteresis in Perovskite Solar Cells: Dependence on Perovskite Composition and Methods to Remove Hysteresis. <i>Advanced Materials</i> , 2019, 31, e1805214.	11.1	351
87	Causes and Solutions of Recombination in Perovskite Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1803019.	11.1	422
88	Perovskite Cluster-Containing Solution for Scalable D-Bar Coating toward High-Throughput Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 1189-1195.	8.8	134
89	Effect of bidentate and tridentate additives on the photovoltaic performance and stability of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4977-4987.	5.2	143
90	Perovskite Solar Cell: Research Direction for Next 10 Years. <i>ACS Energy Letters</i> , 2019, 4, 2983-2985.	8.8	27

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91	Control of Crystal Growth toward Scalable Fabrication of Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1807047.	7.8	111
92	We Editors Are Authors, Too. <i>ACS Energy Letters</i> , 2019, 4, 249-250.	8.8	2
93	Improvement of efficiency and stability of CuSCN-based inverted perovskite solar cells by post-treatment with potassium thiocyanate. <i>Journal of Solid State Chemistry</i> , 2019, 269, 367-374.	1.4	38
94	Insulated Interlayer for Efficient and Photostable Electron-Transport-Layer-Free Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10132-10140.	4.0	32
95	Post-treatment of perovskite film with phenylalkylammonium iodide for hysteresis-less perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 57-65.	3.0	81
96	Inorganic Hole Transporting Materials for Stable and High Efficiency Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14039-14063.	1.5	171
97	Simply designed carbazole-based hole transporting materials for efficient perovskite solar cells. <i>Organic Electronics</i> , 2018, 56, 27-30.	1.4	28
98	Efficient and Reproducible CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Layer Prepared Using a Binary Solvent Containing a Cyclic Urea Additive. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9390-9397.	4.0	31
99	Methodologies toward Highly Efficient Perovskite Solar Cells. <i>Small</i> , 2018, 14, e1704177.	5.2	315
100	Simultaneous Improvement of Photovoltaic Performance and Stability by In Situ Formation of 2D Perovskite at (FAPbI <sub>3</sub> ) <sub>0.88</sub> (CsPbBr <sub>3</sub> ) <sub>0.12</sub> /CuSCN Interface. <i>Advanced Energy Materials</i> , 2018, 8, 1702714.	10.2	253
101	Enthusiastic Discussions on Halide Perovskite Materials beyond Photovoltaics at Sungkyun International Solar Forum 2017 (SISF2017). <i>ACS Energy Letters</i> , 2018, 3, 199-203.	8.8	2
102	Universal Approach toward Hysteresis-Free Perovskite Solar Cell via Defect Engineering. <i>Journal of the American Chemical Society</i> , 2018, 140, 1358-1364.	6.6	708
103	Triphenylamine 3,6-carbazole derivative as hole-transporting material for mixed cation perovskite solar cells. <i>Chemical Papers</i> , 2018, 72, 1779-1787.	1.0	15
104	Themed issue on perovskite solar cells: research on metal halide perovskite solar cells towards deeper understanding, upscalable fabrication, long-term stability and Pb-free alternatives. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2378-2380.	2.5	6
105	Dependence of hysteresis on the perovskite film thickness: inverse behavior between TiO <sub>2</sub> and PCBM in a normal planar structure. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18206-18215.	5.2	37
106	Perovskite Solar Cells with Inorganic Electron and Hole Transport Layers Exhibiting Long-Term (>500) Tj EQE 0.0007 BT /Overl e1801010.	11.1	174
107	Research Direction toward Theoretical Efficiency in Perovskite Solar Cells. <i>ACS Photonics</i> , 2018, 5, 2970-2977.	3.2	129
108	All-Inorganic Bismuth Halide Perovskite-Like Materials A <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> and A <sub>3</sub> Bi <sub>1.8</sub> Na <sub>0.2</sub> I <sub>8.6</sub> (A = Rb and Cs) for Low-Voltage Switching Resistive Memory. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 29741-29749.	4.0	88

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109	Perovskite Solar Cells: Perovskite Solar Cells with Inorganic Electron- and Hole-Transport Layers Exhibiting Long-Term ( $\sim 500$ h) Stability at 85 $^{\circ}$ C under Continuous 1 Sun Illumination in Ambient Air (Adv. Mater. 29/2018). Advanced Materials, 2018, 30, 1870210.	11.1	5
110	1D Hexagonal HC(NH <sub>2</sub> ) <sub>2</sub> Pb <sub>3</sub> for Multilevel Resistive Switching Nonvolatile Memory. Advanced Electronic Materials, 2018, 4, 1800190.	2.6	70
111	Rear-Surface Passivation by Melaminium Iodide Additive for Stable and Hysteresis-less Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 25372-25383.	4.0	72
112	Halide perovskite photovoltaics: History, progress, and perspectives. MRS Bulletin, 2018, 43, 527-533.	1.7	15
113	CH <sub>3</sub> NH <sub>3</sub> Pb <sub>3</sub> and HC(NH <sub>2</sub> ) <sub>2</sub> Pb <sub>3</sub> Powders Synthesized from Low-Grade PbI <sub>2</sub> : Single Precursor for High-Efficiency Perovskite Solar Cells. ChemSusChem, 2018, 11, 1813-1823.	3.6	61
114	Non-doped and unsorted single-walled carbon nanotubes as carrier-selective, transparent, and conductive electrode for perovskite solar cells. MRS Communications, 2018, 8, 1058-1063.	0.8	14
115	FA <sub>0.88</sub> Cs <sub>0.12</sub> Pb <sub>3</sub> (PF <sub>6</sub> ) <sub>x</sub> Interlayer Formed by Ion Exchange Reaction between Perovskite and Hole Transporting Layer for Improving Photovoltaic Performance and Stability. Advanced Materials, 2018, 30, e1801948.	11.1	214
116	Stoichiometric and Non-stoichiometric Adduct Approaches for High Efficiency Perovskite Solar Cells. Materials and Energy, 2018, , 31-58.	2.5	0
117	Impact of Excess CH <sub>3</sub> NH <sub>3</sub> I on Free Carrier Dynamics in High-Performance Nonstoichiometric Perovskites. Journal of Physical Chemistry C, 2017, 121, 3143-3148.	1.5	49
118	In-Situ Formed Type I Nanocrystalline Perovskite Film for Highly Efficient Light-Emitting Diode. ACS Nano, 2017, 11, 3311-3319.	7.3	161
119	Effect of Selective Contacts on the Thermal Stability of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 7148-7153.	4.0	203
120	High-Performance Long-Term Stable Dopant-Free Perovskite Solar Cells and Additive-Free Organic Solar Cells by Employing Newly Designed Multirole Conjugated Polymers. Advanced Materials, 2017, 29, 1700183.	11.1	141
121	The Interplay between Trap Density and Hysteresis in Planar Heterojunction Perovskite Solar Cells. Nano Letters, 2017, 17, 4270-4276.	4.5	226
122	Optimization of the Ag/PCBM interface by a rhodamine interlayer to enhance the efficiency and stability of perovskite solar cells. Nanoscale, 2017, 9, 9440-9446.	2.8	57
123	Acridine-based novel hole transporting material for high efficiency perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 7603-7611.	5.2	57
124	A TiO <sub>2</sub> embedded structure for perovskite solar cells with anomalous grain growth and effective electron extraction. Journal of Materials Chemistry A, 2017, 5, 1406-1414.	5.2	59
125	Wafer-scale reliable switching memory based on 2-dimensional layered organic-inorganic halide perovskite. Nanoscale, 2017, 9, 15278-15285.	2.8	113
126	Printable organometallic perovskite enables large-area, low-dose X-ray imaging. Nature, 2017, 550, 87-91.	13.7	763



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127	Stabilizing the Ag Electrode and Reducing $J-V$ Hysteresis through Suppression of Iodide Migration in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 36338-36349.	4.0	129
128	Impact of Interfacial Layers in Perovskite Solar Cells. ChemSusChem, 2017, 10, 3687-3704.	3.6	191
129	Interfacial Modification of Perovskite Solar Cells Using an Ultrathin MAI Layer Leads to Enhanced Energy Level Alignment, Efficiencies, and Reproducibility. Journal of Physical Chemistry Letters, 2017, 8, 3947-3953.	2.1	101
130	Solution-processed $\text{SnO}_2$ thin film for a hysteresis-free planar perovskite solar cell with a power conversion efficiency of 19.2%. Journal of Materials Chemistry A, 2017, 5, 24790-24803.	5.2	143
131	Perovskite Solar Cells—Towards Commercialization. ACS Energy Letters, 2017, 2, 1749-1751.	8.8	107
132	Nonstoichiometric Adduct Approach for High-Efficiency Perovskite Solar Cells. Inorganic Chemistry, 2017, 56, 3-10.	1.9	23
133	Perovskite Solar Cells: Moth-Eye $\text{TiO}_2$ Layer for Improving Light Harvesting Efficiency in Perovskite Solar Cells (Small 18/2016). Small, 2016, 12, 2530-2530.	5.2	1
134	Empowering Semi-transparent Solar Cells with Thermal Mirror Functionality. Advanced Energy Materials, 2016, 6, 1502466.	10.2	68
135	Transparent Conductive Oxide-free Graphene-based Perovskite Solar Cells with over 17% Efficiency. Advanced Energy Materials, 2016, 6, 1501873.	10.2	206
136	Intrinsic Raman signatures of pristine hybrid perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ and its multiple stages of structure transformation. , 2016, , .		0
137	Crystal growth engineering for high efficiency perovskite solar cells. CrystEngComm, 2016, 18, 5977-5985.	1.3	85
138	An ultra-thin, un-doped NiO hole transporting layer of highly efficient (16.4%) organic-inorganic hybrid perovskite solar cells. Nanoscale, 2016, 8, 11403-11412.	2.8	307
139	Multiple-Stage Structure Transformation of Organic-Inorganic Hybrid Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ Physical Review X, 2016, 6, .	2.8	18
140	Observation of Enhanced Hole Extraction in Br Concentration Gradient Perovskite Materials. Nano Letters, 2016, 16, 5756-5763.	4.5	91
141	A Sharp Focus on Perovskite Solar Cells at Sungkyun International Solar Forum (SISF). ACS Energy Letters, 2016, 1, 500-502.	8.8	4
142	$\text{APbI}_3$ ( $\text{A}=\text{CH}_3\text{NH}_3$ and $\text{HC}(\text{NH}_2)_2$ ) Perovskite Solar Cells: From Sensitization to Planar Heterojunction. , 2016, , 223-253.		3
143	Methodologies for high efficiency perovskite solar cells. Nano Convergence, 2016, 3, 15.	6.3	88
144	Material and Device Stability in Perovskite Solar Cells. ChemSusChem, 2016, 9, 2528-2540.	3.6	256

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145	Across the Board: Nam-Gyu Park. ChemSusChem, 2016, 9, 2525-2527.	3.6	0
146	Impact of Selective Contacts on Long-Term Stability of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. Journal of Physical Chemistry C, 2016, 120, 27840-27848.	1.5	47
147	Towards stable and commercially available perovskite solar cells. Nature Energy, 2016, 1, .	19.8	941
148	Self-formed grain boundary healing layer for highly efficient CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. Nature Energy, 2016, 1, .	19.8	902
149	Moth-Eye TiO <sub>2</sub> Layer for Improving Light Harvesting Efficiency in Perovskite Solar Cells. Small, 2016, 12, 2443-2449.	5.2	142
150	Role of LiTFSI in high T <sub>g</sub> triphenylamine-based hole transporting material in perovskite solar cell. RSC Advances, 2016, 6, 68553-68559.	1.7	19
151	Organolead Halide Perovskites for Low Operating Voltage Multilevel Resistive Switching. Advanced Materials, 2016, 28, 6562-6567.	11.1	285
152	Lewis Acid-Base Adduct Approach for High Efficiency Perovskite Solar Cells. Accounts of Chemical Research, 2016, 49, 311-319.	7.6	878
153	Dual function interfacial layer for highly efficient and stable lead halide perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 6091-6097.	5.2	90
154	Fully solution-processed transparent electrodes based on silver nanowire composites for perovskite solar cells. Nanoscale, 2016, 8, 6308-6316.	2.8	99
155	Mesoscopic perovskite solar cells with an admixture of nanocrystalline TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> : role of interconnectivity of TiO <sub>2</sub> in charge collection. Nanoscale, 2016, 8, 6341-6351.	2.8	26
156	Two-step deposition method for high-efficiency perovskite solar cells. MRS Bulletin, 2015, 40, 654-659.	1.7	50
157	Sustainable Chemistry at Sungkyunkwan University. ChemSusChem, 2015, 8, 2271-2271.	3.6	0
158	Transparent Electronics: Inverted Layer-By-Layer Fabrication of an Ultraflexible and Transparent Ag Nanowire/Conductive Polymer Composite Electrode for Use in High-Performance Organic Solar Cells (Adv. Funct. Mater. 29/2015). Advanced Functional Materials, 2015, 25, 4743-4743.	7.8	3
159	Formamidinium and Cesium Hybridization for Photo- and Moisture-Stable Perovskite Solar Cell. Advanced Energy Materials, 2015, 5, 1501310.	10.2	1,350
160	Stability Issues on Perovskite Solar Cells. Photonics, 2015, 2, 1139-1151.	0.9	201
161	Modulation of photovoltage in mesoscopic perovskite solar cell by controlled interfacial electron injection. RSC Advances, 2015, 5, 47334-47340.	1.7	25
162	Real-Space Imaging of the Atomic Structure of Organic-Inorganic Perovskite. Journal of the American Chemical Society, 2015, 137, 16049-16054.	6.6	155

#	ARTICLE	IF	CITATIONS
163	New Hybrid Hole Extraction Layer of Perovskite Solar Cells with a Planar p-n Geometry. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27285-27290.	1.5	71
164	Thermodynamic regulation of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> crystal growth and its effect on photovoltaic performance of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19901-19906.	5.2	94
165	Effects of domain size in polycrystalline perovskite organic-inorganic hybrids investigated by spatially resolved optical spectroscopy. , 2015, , .		0
166	Solar Cells: Perovskite Solar Cells: From Materials to Devices (Small 1/2015). <i>Small</i> , 2015, 11, 2-2.	5.2	8
167	Cooperative kinetics of depolarization in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Energy and Environmental Science</i> , 2015, 8, 910-915.	15.6	116
168	Enhancement of Organic Photovoltaic Efficiency via Nanomorphology Control using Conjugated Polymers Incorporating Fullerene Compatible Side-Chains. <i>Macromolecules</i> , 2015, 48, 337-345.	2.2	10
169	High efficiency solar cells combining a perovskite and a silicon heterojunction solar cells via an optical splitting system. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	119
170	Nanowire Perovskite Solar Cell. <i>Nano Letters</i> , 2015, 15, 2120-2126.	4.5	321
171	15.76% efficiency perovskite solar cells prepared under high relative humidity: importance of PbI <sub>2</sub> morphology in two-step deposition of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , 2015, 3, 8808-8815.	5.2	304
172	Visible light absorption and photoelectrochemical activity of colorless molecular 1,3-bis(dicyanomethylidene)indane (BDMI) by surface complexation on TiO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18541-18546.	1.3	8
173	Highly Reproducible Perovskite Solar Cells with Average Efficiency of 18.3% and Best Efficiency of 19.7% Fabricated via Lewis Base Adduct of Lead(II) Iodide. <i>Journal of the American Chemical Society</i> , 2015, 137, 8696-8699.	6.6	2,030
174	Effects of Seed Layer on Growth of ZnO Nanorod and Performance of Perovskite Solar Cell. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10321-10328.	1.5	151
175	Ferroelectric Polarization in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1729-1735.	2.1	180
176	Themed issue on perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8924-8925.	5.2	5
177	On the Role of Interfaces in Planar-Structured HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> Perovskite Solar Cells. <i>ChemSusChem</i> , 2015, 8, 2414-2419.	3.6	67
178	Niobium Doping Effects on TiO <sub>2</sub> Mesoscopic Electron Transport Layer-Based Perovskite Solar Cells. <i>ChemSusChem</i> , 2015, 8, 2392-2398.	3.6	139
179	Understanding the role of the dye/oxide interface via SnO <sub>2</sub> -based MK-2 dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15193-15200.	1.3	15
180	Analysing the effect of crystal size and structure in highly efficient CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells by spatially resolved photo- and electroluminescence imaging. <i>Nanoscale</i> , 2015, 7, 19653-19662.	2.8	84

#	ARTICLE	IF	CITATIONS
181	Si/Ti <sub>2</sub> O <sub>3</sub> /Reduced Graphene Oxide Nanocomposite Anodes for Lithium-Ion Batteries with Highly Enhanced Cyclic Stability. ACS Applied Materials & Interfaces, 2015, 7, 18483-18490.	4.0	53
182	Inverted Layer-by-Layer Fabrication of an Ultraflexible and Transparent Ag Nanowire/Conductive Polymer Composite Electrode for Use in High-Performance Organic Solar Cells. Advanced Functional Materials, 2015, 25, 4580-4589.	7.8	139
183	Reduced Graphene Oxide/Mesoporous TiO <sub>2</sub> Nanocomposite Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 23521-23526.	4.0	180
184	Epitaxial 1D electron transport layers for high-performance perovskite solar cells. Nanoscale, 2015, 7, 15284-15290.	2.8	49
185	Electro-spray deposition of a mesoporous TiO <sub>2</sub> charge collection layer: toward large scale and continuous production of high efficiency perovskite solar cells. Nanoscale, 2015, 7, 20725-20733.	2.8	36
186	Control of $i$ - $V$ Hysteresis in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cell. Journal of Physical Chemistry Letters, 2015, 6, 4633-4639.	2.1	430
187	Switchable photovoltaics. Nature Materials, 2015, 14, 140-141.	13.3	39
188	Perovskite Solar Cells: From Materials to Devices. Small, 2015, 11, 10-25.	5.2	1,210
189	Opto-electronic properties of TiO <sub>2</sub> nanohelices with embedded HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> perovskite solar cells. Journal of Materials Chemistry A, 2015, 3, 9179-9186.	5.2	67
190	Perovskite solar cells: an emerging photovoltaic technology. Materials Today, 2015, 18, 65-72.	8.3	1,477
191	Retarding charge recombination in perovskite solar cells using ultrathin MgO-coated TiO <sub>2</sub> nanoparticulate films. Journal of Materials Chemistry A, 2015, 3, 9160-9164.	5.2	167
192	Highly efficient and bending durable perovskite solar cells: toward a wearable power source. Energy and Environmental Science, 2015, 8, 916-921.	15.6	602
193	Solar cells and photocatalytic systems: general discussion. Faraday Discussions, 2014, 176, 313-331.	1.6	1
194	Effect of double blocking layers at TiO <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> and Sb <sub>2</sub> S <sub>3</sub> /Spiro-MeOTAD interfaces on photovoltaic performance. Faraday Discussions, 2014, 176, 287-299.	1.6	15
195	Evaluation of Limiting Factors Affecting Photovoltaic Performance of Low-Temperature-Processed TiO <sub>2</sub> Films in Dye-Sensitized Solar Cells. ChemPhysChem, 2014, 15, 1098-1105.	1.0	7
196	3-D TiO <sub>2</sub> nanoparticle/ITO nanowire nanocomposite antenna for efficient charge collection in solid state dye-sensitized solar cells. Nanoscale, 2014, 6, 6127-6132.	2.8	30
197	11% Efficient Perovskite Solar Cell Based on ZnO Nanorods: An Effective Charge Collection System. Journal of Physical Chemistry C, 2014, 118, 16567-16573.	1.5	611
198	Rutile TiO <sub>2</sub> -based perovskite solar cells. Journal of Materials Chemistry A, 2014, 2, 9251.	5.2	188

#	ARTICLE	IF	CITATIONS
199	Enhancement of the Photovoltaic Performance of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells through a Dichlorobenzene-Functionalized Hole-Transporting Material. ChemPhysChem, 2014, 15, 2595-2603.	1.0	43
200	High efficiency electrospun TiO <sub>2</sub> nanofiber based hybrid organic-inorganic perovskite solar cell. Nanoscale, 2014, 6, 1675-1679.	2.8	185
201	Organolead Halide Perovskite: New Horizons in Solar Cell Research. Journal of Physical Chemistry C, 2014, 118, 5615-5625.	1.5	616
202	Water-repellent perovskite solar cell. Journal of Materials Chemistry A, 2014, 2, 20017-20021.	5.2	65
203	Highly Efficient and Recyclable Nanocomplexed Photocatalysts of AgBr/N-Doped and Amine-Functionalized Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2014, 6, 20819-20827.	4.0	56
204	Strong Photocurrent Amplification in Perovskite Solar Cells with a Porous TiO <sub>2</sub> Blocking Layer under Reverse Bias. Journal of Physical Chemistry Letters, 2014, 5, 3931-3936.	2.1	104
205	ORGANOMETAL HALIDE PEROVSKITE PHOTOVOLTAICS: A DIAMOND IN THE ROUGH. Nano, 2014, 09, 1440002.	0.5	24
206	Simultaneous Enhancement of Solar Cell Efficiency and Photostability via Chemical Tuning of Electron Donating Units in Diketopyrrolopyrrole-Based Push-Pull Type Polymers. Macromolecules, 2014, 47, 6270-6280.	2.2	37
207	Panchromatic light harvesting by dye- and quantum dot-sensitized solar cells. Solar Energy, 2014, 109, 183-188.	2.9	10
208	Parameters Affecting $J_{sc}$ Hysteresis of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells: Effects of Perovskite Crystal Size and Mesoporous TiO <sub>2</sub> Layer. Journal of Physical Chemistry Letters, 2014, 5, 2927-2934.	2.1	974
209	Growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> cuboids with controlled size for high-efficiency perovskite solar cells. Nature Nanotechnology, 2014, 9, 927-932.	15.6	1,600
210	Water photolysis at 12.3% efficiency via perovskite photovoltaics and Earth-abundant catalysts. Science, 2014, 345, 1593-1596.	6.0	2,260
211	Zn <sub>2</sub> SnO <sub>4</sub> -Based Photoelectrodes for Organolead Halide Perovskite Solar Cells. Journal of Physical Chemistry C, 2014, 118, 22991-22994.	1.5	92
212	Morphology-photovoltaic property correlation in perovskite solar cells: One-step versus two-step deposition of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . APL Materials, 2014, 2, .	2.2	399
213	Correction to "Parameters Affecting $J_{sc}$ Hysteresis of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells: Effects of Perovskite Crystal Size and Mesoporous TiO <sub>2</sub> Layer". Journal of Physical Chemistry Letters, 2014, 5, 3434-3434.	2.1	17
214	Slow Dynamic Processes in Lead Halide Perovskite Solar Cells. Characteristic Times and Hysteresis. Journal of Physical Chemistry Letters, 2014, 5, 2357-2363.	2.1	609
215	High-Efficiency Perovskite Solar Cells Based on the Black Polymorph of HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> . Advanced Materials, 2014, 26, 4991-4998.	11.1	847
216	Perovskite solar cell. Vacuum Magazine, 2014, 1, 10-13.	0.0	3

#	ARTICLE	IF	CITATIONS
217	Sixfold enhancement of photocurrent by surface charge controlled high density quantum dot coating. <i>Chemical Communications</i> , 2013, 49, 6448.	2.2	20
218	Organometal Perovskite Light Absorbers Toward a 20% Efficiency Low-Cost Solid-State Mesoscopic Solar Cell. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2423-2429.	2.1	1,232
219	Mechanism of carrier accumulation in perovskite thin-absorber solar cells. <i>Nature Communications</i> , 2013, 4, 2242.	5.8	760
220	Highly Efficient Monolithic Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2070-2074.	4.0	21
221	Single-step solvothermal synthesis of mesoporous Ag@TiO <sub>2</sub> reduced graphene oxide ternary composites with enhanced photocatalytic activity. <i>Nanoscale</i> , 2013, 5, 5093.	2.8	204
222	Hierarchical SnO <sub>2</sub> Nanoparticle-ZnO Nanorod Photoanode for Improving Transport and Life Time of Photoinjected Electrons in Dye-Sensitized Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1038-1043.	4.0	45
223	Quantum-Dot-Sensitized Solar Cell with Unprecedentedly High Photocurrent. <i>Scientific Reports</i> , 2013, 3, 1050.	1.6	228
224	High Efficiency Solid-State Sensitized Solar Cell-Based on Submicrometer Rutile TiO <sub>2</sub> Nanorod and CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Sensitizer. <i>Nano Letters</i> , 2013, 13, 2412-2417.	4.5	908
225	Non-thermal phase separation of P3HT and PCBM using polar aprotic solvents for enhancement of photovoltaic performance in bulk heterojunction solar cells. <i>Synthetic Metals</i> , 2013, 176, 26-30.	2.1	2
226	Size-Tunable, Fast, and Facile Synthesis of Titanium Oxide Nanotube Powders for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4164-4168.	4.0	21
227	Quantum confinement effect of CdSe induced by nanoscale solvothermal reaction. <i>Nanoscale</i> , 2012, 4, 6642.	2.8	13
228	Urea as a long-term stable alternative to guanidium thiocyanate additive in dye-sensitized solar cell. <i>Applied Surface Science</i> , 2012, 258, 8915-8918.	3.1	13
229	Lead Iodide Perovskite Sensitized All-Solid-State Submicron Thin Film Mesoscopic Solar Cell with Efficiency Exceeding 9%. <i>Scientific Reports</i> , 2012, 2, 591.	1.6	6,763
230	Synthesis, structure, and photovoltaic property of a nanocrystalline 2H perovskite-type novel sensitizer (CH <sub>3</sub> CH <sub>2</sub> NH <sub>3</sub> )PbI <sub>3</sub> . <i>Nanoscale Research Letters</i> , 2012, 7, 353.	3.1	225
231	Evaluation of dye aggregation and effect of deoxycholic acid concentration on photovoltaic performance of N749-sensitized solar cell. <i>Synthetic Metals</i> , 2012, 162, 1503-1507.	2.1	19
232	Effects of Oxidation State and Crystallinity of Tungsten Oxide Interlayer on Photovoltaic Property in Bulk Hetero-Junction Solar Cell. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13480-13487.	1.5	41
233	Highly durable and flexible dye-sensitized solar cells fabricated on plastic substrates: PVDF-nanofiber-reinforced TiO <sub>2</sub> photoelectrodes. <i>Energy and Environmental Science</i> , 2012, 5, 8950.	15.6	87
234	Alkyloxy substituted organic dyes for high voltage dye-sensitized solar cell: Effect of alkyloxy chain length on open-circuit voltage. <i>Dyes and Pigments</i> , 2012, 94, 88-98.	2.0	27

#	ARTICLE	IF	CITATIONS
235	Tuning of spacer groups in organic dyes for efficient inhibition of charge recombination in dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2012, 95, 134-141.	2.0	46
236	Effect of Overlayer Thickness of Hole Transport Material on Photovoltaic Performance in Solid-State Dye-Sensitized Solar Cell. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 670-674.	1.0	13
237	Molecular design and synthesis of ruthenium(II) sensitizers for highly efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 12389.	6.7	42
238	Enhanced light harvesting in dye-sensitized solar cells with highly reflective TCO- and Pt-less counter electrodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 15193.	6.7	18
239	Improvement of mass transport of the [Co(bpy) <sub>3</sub> ] <sup>II/III</sup> redox couple by controlling nanostructure of TiO <sub>2</sub> films in dye-sensitized solar cells. <i>Chemical Communications</i> , 2011, 47, 12637.	2.2	71
240	Expanding the spectral response of a dye-sensitized solar cell by applying a selective positioning method. <i>Nanotechnology</i> , 2011, 22, 045201.	1.3	19
241	Controlled growth of vertically oriented hematite/Pt composite nanorod arrays: use for photoelectrochemical water splitting. <i>Nanotechnology</i> , 2011, 22, 175703.	1.3	65
242	6.5% efficient perovskite quantum-dot-sensitized solar cell. <i>Nanoscale</i> , 2011, 3, 4088.	2.8	2,789
243	Titanium nitride thin film as a novel charge collector in TCO-less dye-sensitized solar cell. <i>Journal of Materials Chemistry</i> , 2011, 21, 3077.	6.7	40
244	Pseudo First-Order Adsorption Kinetics of N719 Dye on TiO <sub>2</sub> Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1953-1957.	4.0	101
245	Transferred vertically aligned N-doped carbon nanotube arrays: use in dye-sensitized solar cells as counter electrodes. <i>Chemical Communications</i> , 2011, 47, 4264.	2.2	175
246	Voltage-Enhancement Mechanisms of an Organic Dye in High Open-Circuit Voltage Solid-State Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2011, 5, 8267-8274.	7.3	51
247	Evaluation of external quantum efficiency of a 12.35% tandem solar cell comprising dye-sensitized and CIGS solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3419-3423.	3.0	68
248	Nano-grain SnO <sub>2</sub> electrodes for high conversion efficiency SnO <sub>2</sub> -DSSC. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 179-183.	3.0	84
249	Dependence of porosity, charge recombination kinetics and photovoltaic performance on annealing condition of TiO <sub>2</sub> films. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 59-64.	0.2	5
250	Highly Interconnected Porous Electrodes for Dye-Sensitized Solar Cells Using Viruses as a Sacrificial Template. <i>Advanced Functional Materials</i> , 2011, 21, 1160-1167.	7.8	31
251	Pure anatase TiO <sub>2</sub> nanoglue: An inorganic binding agent to improve nanoparticle interconnections in the low-temperature sintering of dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	50
252	Blocking Layers Deposited on TCO Substrate and Their Effects on Photovoltaic Properties in Dye-Sensitized Solar Cells. <i>Journal of Electrochemical Science and Technology</i> , 2011, 2, 68-75.	0.9	7

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253	Blocking Layers Deposited on TCO Substrate and Their Effects on Photovoltaic Properties in Dye-Sensitized Solar Cells. <i>Journal of Electrochemical Science and Technology</i> , 2011, 2, 68-75.	0.9	1
254	Improvement of Photovoltaic Efficiency of Dye-Sensitized Solar Cell by Introducing Highly Transparent Nanoporous TiO <sub>2</sub> Buffer Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 340-344.	0.9	8
255	Study on the Change in Photovoltage by Control of Cell Gap in Dye-Sensitized Solar Cells. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2010, 132, .	1.1	3
256	Light management in dye-sensitized solar cell. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 375-384.	1.2	27
257	Effect of surface modification of multi-walled carbon nanotubes on the fabrication and performance of carbon nanotube based counter electrodes for dye-sensitized solar cells. <i>Current Applied Physics</i> , 2010, 10, S165-S167.	1.1	61
258	Wiper coating method for PEDOT:PSS film on fabricating organic photovoltaic modules. <i>Current Applied Physics</i> , 2010, 10, e185-e188.	1.1	3
259	Synthetic Strategy of Low-Bandgap Organic Sensitizers and Their Photoelectron Injection Characteristics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1627-1634.	1.9	16
260	Chemically deposited blocking layers on FTO substrates: Effect of precursor concentration on photovoltaic performance of dye-sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 161-166.	1.9	53
261	Solution processed polymer tandem cell utilizing organic layer coated nano-crystalline TiO <sub>2</sub> as interlayer. <i>Organic Electronics</i> , 2010, 11, 521-528.	1.4	32
262	Evaluation on over photocurrents measured from unmasked dye-sensitized solar cells. <i>Solar Energy</i> , 2010, 84, 418-425.	2.9	24
263	Azide-induced crosslinking of electrolytes and its application in solid-state dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 436-441.	3.0	18
264	Highly bendable composite photoelectrode prepared from TiO <sub>2</sub> /polymer blend for low temperature fabricated dye-sensitized solar cells. <i>Current Applied Physics</i> , 2010, 10, e171-e175.	1.1	25
265	Bismuth Borosilicate-Based Thick Film Passivation of Ag Grid for Large-Area Dye-Sensitized Solar Cells. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1554-1556.	1.9	11
266	High performance organic photosensitizers for dye-sensitized solar cells. <i>Chemical Communications</i> , 2010, 46, 1335.	2.2	124
267	Unusual Enhancement of Photocurrent by Incorporation of Brønsted Base Thiourea into Electrolyte of Dye-Sensitized Solar Cell. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19849-19852.	1.5	51
268	Two-Step Sol-Gel Method-Based TiO <sub>2</sub> Nanoparticles with Uniform Morphology and Size for Efficient Photo-Energy Conversion Devices. <i>Chemistry of Materials</i> , 2010, 22, 1958-1965.	3.2	166
269	Prediction and Evaluation of Styrenic Block Copolymers as Surface Modifiers for Multiwalled Carbon Nanotubes in $\beta$ -Terpineol-Based Pastes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 11393-11401.	1.8	10
270	Method to Protect Charge Recombination in the Back-Contact Dye-Sensitized Solar Cell. <i>Optics Express</i> , 2010, 18, A395.	1.7	7



#	ARTICLE	IF	CITATIONS
271	Dye-sensitized solar cells with Pt- and TCO-free counter electrodes. <i>Chemical Communications</i> , 2010, 46, 4505.	2.2	172
272	Enhanced charge collection efficiency by thin-TiO <sub>2</sub> -film deposition on FTO-coated ITO conductive oxide in dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 4392.	6.7	55
273	Suppression of Charge Recombination Rate in Nanocrystalline SnO <sub>2</sub> by Thin Coatings of Divalent Oxides in Dye-Sensitized Solar Cells. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3093-3098.	1.0	11
274	Methods to Improve Light Harvesting Efficiency in Dye-Sensitized Solar Cells. <i>Journal of Electrochemical Science and Technology</i> , 2010, 1, 69-74.	0.9	11
275	Dye-Sensitized Metal Oxide Nanostructures and Their Photoelectrochemical Properties. <i>Journal of the Korean Electrochemical Society</i> , 2010, 13, 10-18.	0.1	5
276	Novel extended $\pi$ -conjugated Zn(II)-porphyrin derivatives bearing pendant triphenylamine moiety for dye-sensitized solar cell: synthesis and characterization. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 798-804.	0.4	22
277	Compact Inverse Opal Electrode Using Non-Aggregated TiO <sub>2</sub> Nanoparticles for Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2009, 19, 1093-1099.	7.8	195
278	Formation of Highly Efficient Dye-Sensitized Solar Cells by Hierarchical Pore Generation with Nanoporous TiO <sub>2</sub> Spheres. <i>Advanced Materials</i> , 2009, 21, 3668-3673.	11.1	452
279	Nanostructured photoelectrode consisting of TiO <sub>2</sub> hollow spheres for non-volatile electrolyte-based dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2009, 194, 574-579.	4.0	55
280	New liquid crystal-embedded PVDF-co-HFP-based polymer electrolytes for dye-sensitized solar cell applications. <i>Macromolecular Research</i> , 2009, 17, 963-968.	1.0	20
281	Selective positioning of organic dyes in a mesoporous inorganic oxide film. <i>Nature Materials</i> , 2009, 8, 665-671.	13.3	240
282	Improvement of electron transport by low-temperature chemically assisted sintering in dye-sensitized solar cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 204, 144-147.	2.0	24
283	Structural, optical and photoelectrochemical studies on the nanodispersed titania. <i>Current Applied Physics</i> , 2009, 9, 900-906.	1.1	20
284	Effect of donor moiety in organic sensitizer on spectral response, electrochemical and photovoltaic properties. <i>Synthetic Metals</i> , 2009, 159, 2571-2577.	2.1	16
285	Zinc Borosilicate Thick Films as a Ag-Protective Layer for Dye-Sensitized Solar Cells. <i>Journal of the Korean Ceramic Society</i> , 2009, 46, 313-316.	1.1	4
286	Transparent solar cells based on dye-sensitized nanocrystalline semiconductors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1895-1904.	0.8	90
287	Nano-embossed Hollow Spherical TiO <sub>2</sub> as Bifunctional Material for High-Efficiency Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2008, 20, 195-199.	11.1	557
288	Novel thixotropic gel electrolytes based on dicationic bis-imidazolium salts for quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2008, 175, 692-697.	4.0	97

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289	Low-temperature oxygen plasma treatment of TiO <sub>2</sub> film for enhanced performance of dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2008, 175, 914-919.	4.0	89
290	ITO/ATO/TiO <sub>2</sub> triple-layered transparent conducting substrates for dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 873-877.	3.0	76
291	Size-dependent scattering efficiency in dye-sensitized solar cell. <i>Inorganica Chimica Acta</i> , 2008, 361, 677-683.	1.2	250
292	Mesoporous nanocrystalline TiO <sub>2</sub> electrode with ionic liquid-based solid polymer electrolyte for dye-sensitized solar cell application. <i>Synthetic Metals</i> , 2008, 158, 590-593.	2.1	41
293	Formation of Efficient Dye-Sensitized Solar Cells by Introducing an Interfacial Layer of Long-Range Ordered Mesoporous TiO <sub>2</sub> Thin Film. <i>Langmuir</i> , 2008, 24, 13225-13230.	1.6	88
294	Fabrication of heterosensitizer-junction dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	28
295	Nanocrystalline Porous TiO <sub>2</sub> Electrode with Ionic Liquid Impregnated Solid Polymer Electrolyte for Dye Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5271-5274.	0.9	19
296	Enhanced Photovoltaic Properties of SiO <sub>2</sub> -treated ZnO Nanocrystalline Electrode for Dye-sensitized Solar Cell. <i>Chemistry Letters</i> , 2007, 36, 1506-1507.	0.7	57
297	Dye Sensitized Solar Cell Using Polymer Electrolytes Based on Poly(ethylene oxide) with an Ionic Liquid. <i>Macromolecular Symposia</i> , 2007, 249-250, 162-166.	0.4	31
298	A highly efficient organic sensitizer for dye-sensitized solar cells. <i>Chemical Communications</i> , 2007, , 4887.	2.2	417
299	On the I <sub>sc</sub> measurement of dye-sensitized solar cell: Effect of cell geometry on photovoltaic parameters. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1749-1754.	3.0	51
300	Characteristics of PVdF-HFP/TiO <sub>2</sub> composite membrane electrolytes prepared by phase inversion and conventional casting methods. <i>Electrochimica Acta</i> , 2006, 51, 5636-5644.	2.6	212
301	A 4.2% efficient flexible dye-sensitized TiO <sub>2</sub> solar cells using stainless steel substrate. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 574-581.	3.0	228
302	Nanostructured TiO <sub>2</sub> films for dye-sensitized solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1308-1311.	1.9	22
303	Physical and electrochemical characterizations of poly(vinylidene fluoride-co-hexafluoropropylene) based polymer electrolyte by spin coating technique. <i>Journal of Applied Polymer Science</i> , 2006, 102, 140-148.	1.3	17
304	Photovoltaic Properties of Nano-particulate and Nanorod Array ZnO Electrodes for Dye-Sensitized Solar Cell. <i>Bulletin of the Korean Chemical Society</i> , 2006, 27, 295-298.	1.0	27
305	Effect of TiO <sub>2</sub> Inclusion in the Poly(vinylidene fluoride-co-hexafluoropropylene)-Based Polymer Electrolyte of Dye-Sensitized Solar Cell. <i>Bulletin of the Korean Chemical Society</i> , 2006, 27, 322-324.	1.0	8
306	Flexible Metallic Substrates for TiO <sub>2</sub> Film of Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2005, 34, 804-805.	0.7	56

#	ARTICLE	IF	CITATIONS
307	Chemical Sintering of Nanoparticles: A Methodology for Low-Temperature Fabrication of Dye-Sensitized TiO <sub>2</sub> Films. <i>Advanced Materials</i> , 2005, 17, 2349-2353.	11.1	208
308	Hybrid solar cells with vertically aligned CdTe nanorods and a conjugated polymer. <i>Applied Physics Letters</i> , 2005, 86, 113101.	1.5	146
309	Dye-sensitized solar cells based on composite solid polymer electrolytes. <i>Chemical Communications</i> , 2005, , 889.	2.2	129
310	Electrochemical capacitor with chemically polymerized conducting polymer based on activated carbon as hybrid electrodes. <i>Synthetic Metals</i> , 2005, 153, 89-92.	2.1	41
311	Enhancement of Photovoltaic Properties of Ti-modified Nanocrystalline ZnO Electrode for Dye-sensitized Solar Cell. <i>Bulletin of the Korean Chemical Society</i> , 2005, 26, 1929-1930.	1.0	21
312	Electrochemical supercapacitor based on polyaniline doped with lithium salt and active carbon electrodes. <i>Solid State Ionics</i> , 2004, 175, 765-768.	1.3	65
313	Photovoltaic characteristics of dye-sensitized surface-modified nanocrystalline SnO <sub>2</sub> solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 161, 105-110.	2.0	114
314	Poly(ethylenedioxythiophene) (PEDOT) as polymer electrode in redox supercapacitor. <i>Electrochimica Acta</i> , 2004, 50, 843-847.	2.6	201
315	Factors affecting the electrochemical performance of organic/V <sub>2</sub> O <sub>5</sub> hybrid cathode materials. <i>Journal of Power Sources</i> , 2004, 133, 263-267.	4.0	21
316	Dye-Sensitized TiO <sub>2</sub> Solar Cells Using Polymer Gel Electrolytes Based on PVdF-HFP. <i>Journal of the Electrochemical Society</i> , 2004, 151, E257.	1.3	75
317	Enhancement of Photocurrent and Photovoltage of Dye-Sensitized Solar Cells with TiO <sub>2</sub> Film Deposited on Indium Zinc Oxide Substrate. <i>Chemistry of Materials</i> , 2004, 16, 493-497.	3.2	39
318	Morphological and Photoelectrochemical Characterization of Core-Shell Nanoparticle Films for Dye-Sensitized Solar Cells: ZnO Type Shell on SnO <sub>2</sub> and TiO <sub>2</sub> Cores. <i>Langmuir</i> , 2004, 20, 4246-4253.	1.6	150
319	Dye-sensitized nanocrystalline solar cells based on composite polymer electrolytes containing fumed silica nanoparticles. <i>Chemical Communications</i> , 2004, , 1662.	2.2	202
320	A New Ionic Liquid for a Redox Electrolyte of Dye-Sensitized Solar Cells. <i>ETRI Journal</i> , 2004, 26, 647-652.	1.2	23
321	Effect of evaporation temperature on the crystalline properties of solution-cast films of poly(vinylidene fluoride)s. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 934-941.	1.2	13
322	Characterization of poly(vinylidene fluoride-co-hexafluoropropylene)-based polymer electrolyte filled with rutile TiO <sub>2</sub> nanoparticles. <i>Solid State Ionics</i> , 2003, 161, 121-131.	1.3	82
323	Capacity and cycle performance of a lithium-ion polymer battery using commercially available LiNiCoO <sub>2</sub> . <i>Journal of Power Sources</i> , 2003, 123, 69-74.	4.0	18
324	Manufacturing method for transparent electric windows using dye-sensitized TiO <sub>2</sub> solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2003, 75, 475-479.	3.0	64

#	ARTICLE	IF	CITATIONS
325	RF-Sputtered Vanadium Oxide Films. <i>Journal of the Electrochemical Society</i> , 2002, 149, A597.	1.3	28
326	Determining the locus for photocarrier recombination in dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2002, 80, 685-687.	1.5	86
327	Redox supercapacitor using polyaniline doped with Li salt as electrode. <i>Solid State Ionics</i> , 2002, 152-153, 861-866.	1.3	93
328	Symmetric redox supercapacitor with conducting polyaniline electrodes. <i>Journal of Power Sources</i> , 2002, 103, 305-309.	4.0	524
329	Synthesis and electrochemical properties of V <sub>2</sub> O <sub>5</sub> intercalated with binary polymers. <i>Journal of Power Sources</i> , 2002, 103, 273-279.	4.0	60
330	Characterization of poly(vinylidene fluoride-co-hexafluoropropylene)-based polymer electrolyte filled with TiO <sub>2</sub> nanoparticles. <i>Polymer</i> , 2002, 43, 3951-3957.	1.8	120
331	Sonochemical synthesis of the high energy density cathode material VOPO <sub>4</sub> ·2H <sub>2</sub> O. <i>Electrochemistry Communications</i> , 2001, 3, 553-556.	2.3	31
332	Raman spectroscopic studies of Ni <sup>W</sup> oxide thin films. <i>Solid State Ionics</i> , 2001, 140, 135-139.	1.3	91
333	Ambipolar Diffusion of Photocarriers in Electrolyte-Filled, Nanoporous TiO <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , 2000, 104, 3930-3936.	1.2	336
334	Influence of Electrical Potential Distribution, Charge Transport, and Recombination on the Photopotential and Photocurrent Conversion Efficiency of Dye-Sensitized Nanocrystalline TiO <sub>2</sub> Solar Cells: A Study by Electrical Impedance and Optical Modulation Techniques. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2044-2052.	1.2	777
335	Comparison of Dye-Sensitized Rutile- and Anatase-Based TiO <sub>2</sub> Solar Cells. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8989-8994.	1.2	1,082
336	New Solution Route to Electrochromic Poly(acrylic acid)/WO <sub>3</sub> Hybrid Film. <i>Chemistry of Materials</i> , 2000, 12, 2950-2956.	3.2	36
337	Dye-Sensitized TiO <sub>2</sub> Solar Cells: Structural and Photoelectrochemical Characterization of Nanocrystalline Electrodes Formed from the Hydrolysis of TiCl <sub>4</sub> . <i>Journal of Physical Chemistry B</i> , 1999, 103, 3308-3314.	1.2	355
338	Synthesis of new oligothiophene derivatives and their intercalation compounds: orientation effects. <i>Synthetic Metals</i> , 1999, 105, 35-42.	2.1	37
339	Evaluation of the Charge-Collection Efficiency of Dye-Sensitized Nanocrystalline TiO <sub>2</sub> Solar Cells. <i>Journal of Physical Chemistry B</i> , 1999, 103, 782-791.	1.2	394
340	Estimation of the Charge-Collection Efficiency of Dye-Sensitized Nanocrystalline TiO <sub>2</sub> Solar Cells*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999, 212, 45-50.	1.4	13
341	Charge Transfer Relation in the Superconducting Intercalates IBi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> . <i>Journal of Solid State Chemistry</i> , 1998, 138, 66-73.	1.4	23
342	Development of Electrochromic Devices Working with Hydrophobic Lithium Electrolyte. <i>Active and Passive Electronic Components</i> , 1998, 20, 201-213.	0.3	3

#	ARTICLE	IF	CITATIONS
343	The Effect of Lithium Intercalation on the Crystal Structure and Magnetic Property of Layered FeWO <sub>4</sub> Cl. Japanese Journal of Applied Physics, 1997, 36, 2656-2660.	0.8	1
344	X-Ray Absorption Spectroscopic Studies on Layered FeWO <sub>4</sub> Cl and Its Lithium Intercalate. Japanese Journal of Applied Physics, 1997, 36, 5605-5609.	0.8	2
345	Intracrystalline Structure of Molecular Mercury Halide Intercalated in High-T <sub>c</sub> Superconducting Lattice of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> . Journal of the American Chemical Society, 1997, 119, 1624-1633.	6.6	98
346	X-ray Absorption Near-Edge Structure (XANES) of Iodine Intercalated C <sub>60</sub> : Evidence of I <sup>2+</sup> in I <sub>2</sub> C <sub>60</sub> . Chemistry of Materials, 1996, 8, 324-326.	3.2	14
347	X-ray absorption spectroscopic study of new high-T <sub>c</sub> superconducting intercalation compound of (HgX) <sub>2</sub> (Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> ) <sub>0.5</sub> (X=Br, I), 1996, . . .		
348	Effect of HgI <sub>2</sub> intercalation on Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> : Interlayer coupling effect. Physical Review B, 1996, 53, 12416-12421.	1.1	13
349	Evolution of Superconducting Transition Temperature (T <sub>c</sub> ) upon Intercalation of HgBr <sub>2</sub> into the Bi <sub>2</sub> Sr <sub>1.5-x</sub> La <sub>x</sub> Ca <sub>1.5</sub> Cu <sub>2</sub> O <sub>y</sub> . The Journal of Physical Chemistry, 1996, 100, 3783-3787.	2.9	19
350	Nano-engineering via intercalation: layer-by-layer interstratification of high-T <sub>c</sub> superconducting and superionic materials Ag <sub>x</sub> Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>2n+4</sub> (n=1, 2, and 3)., 1996, . . .		0
351	A new high-T <sub>c</sub> superconducting intercalation compound. Synthetic Metals, 1995, 71, 1551-1553.	2.1	12
352	N-alkylammonium intercalated 2-d hydrous titanates and their thermotropic phase transition. Synthetic Metals, 1995, 71, 2053-2054.	2.1	14
353	A new 2-dimensional magnetic model for the layered compounds of FeMO <sub>4</sub> Cl (M=Mo and W) with strong interlayer coupling. Synthetic Metals, 1995, 71, 2055-2056.	2.1	2
354	Molecular layer-by-layer engineering of superconducting and superionic materials in the (AgI)Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> system. The Journal of Physical Chemistry, 1995, 99, 7845-7848.	2.9	21
355	New Superconducting Intercalation Compounds: (HgX <sub>2</sub> ) <sub>0.5</sub> Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> (X = Br and I). Journal of the American Chemical Society, 1994, 116, 11564-11565.	6.6	59
356	CHAPTER 7. Perovskite Solar Cells. RSC Energy and Environment Series, 0, , 242-257.	0.2	3
357	Acid Dissociation Constant: A Criterion for Selecting Passivation Agents in Perovskite Solar Cells. ACS Energy Letters, 0, , 1612-1621.	8.8	99
358	Halide Perovskite Photovoltaics and X-ray Imaging. , 0, , .		0