Onkar S Game

List of Publications by Year
in descending order

43 papers	2,341 citations	218677 26 h-index	254184 43 g-index
44 all docs	44 docs citations	44 times ranked	4534 citing authors

#	Article	IF	Citations
1	Microstructures of Organometal Trihalide Perovskites for Solar Cells: Their Evolution from Solutions and Characterization. Journal of Physical Chemistry Letters, 2015, 6, 4827-4839.	4.6	344
2	TiO2â€“Au plasmonic nanocomposite for enhanced dye-sensitized solar cell (DSSC) performance. Solar Energy, 2012, 86, 1428-1434.	6.1	162
3	ZnO(N)â€“Spiro-MeOTAD hybrid photodiode: an efficient self-powered fast-response UV (visible) photosensor. Nanoscale, 2014, 6, 503-513.	5.6	156
4	Ionic-to-electronic current amplification in hybrid perovskite solar cells: ionically gated transistor-interface circuit model explains hysteresis and impedance of mixed conducting devices. Energy and Environmental Science, 2019, 12, 1296-1308.	30.8	146
5	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. Nature Energy, 2022, 7, 107-115.	39.5	136
6	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated Î´-to-Î± Phase Transformation. Chemistry of Materials, 2017, 29, 3246-3250.	6.7	99
7	CH₃NH₃PbI_(3â^'x)(BF₄)_x: molecular ion substituted hybrid perovskite. Chemical Communications, 2014, 50, 9741.	4.1	98
8	Manipulating Crystallization of Organolead Mixed-Halide Thin Films in Antisolvent Baths for Wide-Bandgap Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 2232-2237.	8.0	91
9	High-Efficiency Spray-Coated Perovskite Solar Cells Utilizing Vacuum-Assisted Solution Processing. ACS Applied Materials & Interfaces, 2018, 10, 39428-39434.	8.0	74
10	Hybrid Perovskite Films by a New Variant of Pulsed Excimer Laser Deposition: A Room-Temperature Dry Process. Journal of Physical Chemistry C, 2015, 119, 9177-9185.	3.1	68
11	Highâ€Performance Multilayer Encapsulation for Perovskite Photovoltaics. Advanced Energy Materials, 2018, 8, 1801234.	19.5	68
12	Ions Matter: Description of the Anomalous Electronic Behavior in Methylammonium Lead Halide Perovskite Devices. Advanced Functional Materials, 2017, 27, 1606584.	14.9	65
13	Concurrent synthetic control of dopant (nitrogen) and defect complexes to realize broadband (UVâ€“650 nm) absorption in ZnO nanorods for superior photo-electrochemical performance. Journal of Materials Chemistry, 2012, 22, 17302.	6.7	64
14	Highly Stable Laserâ€Scribed Flexible Planar Microsupercapacitor Using Mushroom Derived Carbon Electrodes. Advanced Materials Interfaces, 2016, 3, 1600057.	3.7	58
15	Rapid Scalable Processing of Tin Oxide Transport Layers for Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 5552-5562.	5.1	52
16	Strong photo-response in a flip-chip nanowire p-Cu2O/n-ZnO junction. Nanoscale, 2011, 3, 4706.	5.6	51
17	Correlating the electron-donating core structure with morphology and performance of carbon oxygen-bridged ladder-type non-fullerene acceptor based organic solar cells. Nano Energy, 2019, 61, 318-326.	16.0	43
18	Intercalation crystallization of phase-pure Î±-HC(NH₂)₂PbI₃upon microstructurally engineered PbI₂thin films for planar perovskite solar cells. Nanoscale, 2016, 8, 6265-6270.	5.6	41

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19	Pt- and TCO-Free Flexible Cathode for DSSC from Highly Conducting and Flexible PEDOT Paper Prepared via in Situ Interfacial Polymerization. ACS Applied Materials & Interfaces, 2016, 8, 553-562.	8.0	40
20	Growth of aligned ZnO nanorods array on ITO for dye sensitized solar cell. Current Applied Physics, 2011, 11, S113-S116.	2.4	36
21	High sensitivity low field magnetically gated resistive switching in CoFe2O4/La0.66Sr0.34MnO3 heterostructure. Applied Physics Letters, 2012, 100, 172412.	3.3	36
22	A flexible back-contact perovskite solar micro-module. Energy and Environmental Science, 2019, 12, 1928-1937.	30.8	35
23	Trigol based reduction of graphite oxide to graphene with enhanced charge storage activity. Journal of Materials Chemistry, 2012, 22, 11140.	6.7	33
24	Enhancing efficiency of perovskite solar cell via surface microstructuring: Superior grain growth and light harvesting effect. Solar Energy, 2015, 112, 12-19.	6.1	33
25	Gasâ€Assisted Spray Coating of Perovskite Solar Cells Incorporating Sprayed Selfâ€Assembled Monolayers. Advanced Science, 2022, 9, e2104848.	11.2	29
26	Shape preserving chemical transformation of ZnO mesostructures into anatase TiO2 mesostructures for optoelectronic applications. Energy and Environmental Science, 2011, 4, 2835.	30.8	28
27	Dramatic Enhancement in Photoresponse of Î²-In₂S₃ through Suppression of Dark Conductivity by Synthetic Control of Defect-Induced Carrier Compensation. ACS Applied Materials & Interfaces, 2015, 7, 17671-17681.	8.0	27
28	Potassium iodide reduces the stability of triple-cation perovskite solar cells. RSC Advances, 2020, 10, 40341-40350.	3.6	27
29	Ferromagnetism in metal oxide systems: interfaces, dopants, and defects. Journal of Materials Chemistry C, 2013, 1, 1545.	5.5	25
30	Two-Dimensional Organic-Exciton Polariton Lattice Fabricated Using Laser Patterning. ACS Photonics, 2020, 7, 2273-2281.	6.6	23
31	Enhancing the efficiency of PTB7-Th:CO<i>i</i>8DFIC-based ternary solar cells with versatile third components. Applied Physics Reviews, 2019, 6, .	11.3	20
32	Enhanced catalytic activity of polyethylenedioxythiophene towards tri-iodide reduction in DSSCs <i>via</i> 1-dimensional alignment using hollow carbon nanofibers. Nanoscale, 2014, 6, 10332-10339.	5.6	18
33	Correlating Phase Behavior with Photophysical Properties in Mixedâ€Cation Mixedâ€Halide Perovskite Thin Films. Advanced Energy Materials, 2020, 10, 1901350.	19.5	17
34	(0 0 1) faceted mesoporous anatase TiO 2 microcubes as superior insertion anode in practical Li-ion configuration with LiMn 2 O 4. Energy Storage Materials, 2016, 3, 106-112.	18.0	16
35	Comprehensive Elucidation of Ion Transport and Its Relation to Hysteresis in Methylammonium Lead Iodide Perovskite Thin Films. Journal of Physical Chemistry C, 2019, 123, 4029-4034.	3.1	16
36	Graphene based nanocomposites for alloy (SnO2), and conversion (Fe3O4) type efficient anodes for Li-ion battery applications. Composites Science and Technology, 2016, 130, 88-95.	7.8	14

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37	Low-temperature, high-speed reactive deposition of metal oxides for perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 2283-2290.	10.3	13
38	Solvent vapour annealing of methylammonium lead halide perovskite: what's the catch?. Journal of Materials Chemistry A, 2020, 8, 10943-10956.	10.3	11
39	Perovskites on Ice: An Additiveâ€Free Approach to Increase the Shelfâ€Life of Tripleâ€Cation Perovskite Precursor Solutions. ChemSusChem, 2021, 14, 2537-2546.	6.8	10
40	Nanoscale modulation of electronic states across unit cell steps on the surface of an epitaxial colossal magnetoresistance manganite film. Applied Physics Letters, 2010, 96, 263108.	3.3	7
41	Low-dimensional emissive states in non-stoichiometric methylammonium lead halide perovskites. Journal of Materials Chemistry A, 2019, 7, 11104-11116.	10.3	7
42	Citrate milling of oxides: from poly-dispersed micron scale to nearly mono-dispersed nanoscale. Physical Chemistry Chemical Physics, 2013, 15, 5091.	2.8	3
43	Perovskites on Ice: An Additiveâ€Free Approach to Increase the Shelfâ€Life of Tripleâ€Cation Perovskite Precursor Solutions. ChemSusChem, 2021, 14, 2486-2486.	6.8	1