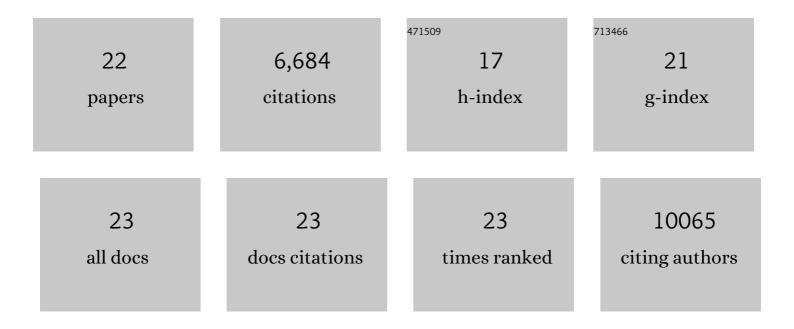
Sandeep Pathak

List of Publications by Year in descending order

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SANDEED DATHAK

#	Article	IF	CITATIONS
1	Enhanced photosensitive properties of a single-crystal formamidinium lead bromide iodine (FAPbBr ₂ I) based photodetector. Materials Advances, 2022, 3, 2089-2095.	5.4	11
2	Present Status and Future Perspective of Antimony Chalcogenide (Sb ₂ X ₃) Photovoltaics. ACS Applied Energy Materials, 2022, 5, 6545-6585.	5.1	21
3	Perylene diimide based low band gap copolymers: synthesis, characterization and their applications in perovskite solar cells. Journal of Polymer Research, 2020, 27, 1.	2.4	3
4	Room temperature synthesis of perovskite (MAPbI3) single crystal by anti-solvent assisted inverse temperature crystallization method. Journal of Crystal Growth, 2020, 537, 125598.	1.5	18
5	Analysing the Prospects of Perovskite Solar Cells within the Purview of Recent Scientific Advancements. Crystals, 2018, 8, 242.	2.2	13
6	Controlling Nucleation and Growth of Metal Halide Perovskite Thin Films for Highâ€Efficiency Perovskite Solar Cells. Small, 2017, 13, 1602808.	10.0	36
7	ZrO ₂ /TiO ₂ Electron Collection Layer for Efficient Meso-Superstructured Hybrid Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 2342-2349.	8.0	41
8	Efficient perovskite solar cells by metal ion doping. Energy and Environmental Science, 2016, 9, 2892-2901.	30.8	372
9	Enhanced Efficiency and Stability of Perovskite Solar Cells Through Ndâ€Doping of Mesostructured TiO ₂ . Advanced Energy Materials, 2016, 6, 1501868.	19.5	157
10	The mechanism of toluene-assisted crystallization of organic–inorganic perovskites for highly efficient solar cells. Journal of Materials Chemistry A, 2016, 4, 4464-4471.	10.3	86
11	Novel low cost hole transporting materials for efficient organic-inorganic perovskite solar cells. , 2015, , .		1
12	Electroluminescence from Organometallic Lead Halide Perovskite onjugated Polymer Diodes. Advanced Electronic Materials, 2015, 1, 1500008.	5.1	62
13	Atmospheric Influence upon Crystallization and Electronic Disorder and Its Impact on the Photophysical Properties of Organic–Inorganic Perovskite Solar Cells. ACS Nano, 2015, 9, 2311-2320.	14.6	173
14	The Importance of Moisture in Hybrid Lead Halide Perovskite Thin Film Fabrication. ACS Nano, 2015, 9, 9380-9393.	14.6	451
15	Employing PEDOT as the p-Type Charge Collection Layer in Regular Organic–Inorganic Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2015, 6, 1666-1673.	4.6	96
16	Perovskite Crystals for Tunable White Light Emission. Chemistry of Materials, 2015, 27, 8066-8075.	6.7	362
17	Doping of TiO ₂ for sensitized solar cells. Chemical Society Reviews, 2015, 44, 8326-8349.	38.1	355
18	Enhanced optoelectronic quality of perovskite thin films with hypophosphorous acid for planar heterojunction solar cells. Nature Communications, 2015, 6, 10030.	12.8	620

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#	Article	IF	CITATIONS
19	High Photoluminescence Efficiency and Optically Pumped Lasing in Solution-Processed Mixed Halide Perovskite Semiconductors. Journal of Physical Chemistry Letters, 2014, 5, 1421-1426.	4.6	1,490
20	Protic Ionic Liquids as p-Dopant for Organic Hole Transporting Materials and Their Application in High Efficiency Hybrid Solar Cells. Journal of the American Chemical Society, 2013, 135, 13538-13548.	13.7	167
21	Overcoming ultraviolet light instability of sensitized TiO2 with meso-superstructured organometal tri-halide perovskite solar cells. Nature Communications, 2013, 4, 2885.	12.8	1,592
22	Lithium salts as "redox active―p-type dopants for organic semiconductors and their impact in solid-state dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 2572.	2.8	557