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List of Publications by Year in descending order

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23
papers

1,847
citations

567281

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642732

23
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all docs

23
docs citations

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times ranked

2707
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Violet Phosphorus: A p-Type Semiconductor for (Opto)electronics. Journal of the American Chemical Society, 2022, 144, 3660-3666.	13.7	56
2	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
3	Ultrafast Carrier Dynamics in Wide Band Gap Mixed-Cation Perovskites: Influence of the Cs Cation. Journal of Physical Chemistry C, 2022, 126, 8787-8793.	3.1	3
4	Stability of perovskite materials and devices. Materials Today, 2022, 58, 275-296.	14.2	35
5	Emerging perovskite monolayers. Nature Materials, 2021, 20, 1325-1336.	27.5	124
6	Mechanism of ultrafast energy transfer between the organic-inorganic layers in multiple-ring aromatic spacers for 2D perovskites. Nanoscale, 2021, 13, 15668-15676.	5.6	9
7	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. Angewandte Chemie - International Edition, 2020, 59, 465-470.	13.8	94
8	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. Angewandte Chemie, 2020, 132, 473-478.	2.0	8
9	Embedded Nickel-Mesh Transparent Electrodes for Highly Efficient and Mechanically Stable Flexible Perovskite Photovoltaics: Toward a Portable Mobile Energy Source. Advanced Materials, 2020, 32, e2003422.	21.0	62
10	Solution-Processable 2D Materials Applied in Light-Emitting Diodes and Solar Cells. Advanced Materials Technologies, 2020, 5, 1900972.	5.8	40
11	Polymer-perovskite blend light-emitting diodes using a self-compensated heavily doped polymeric anode. APL Materials, 2020, 8, 021101.	5.1	9
12	Improved Hole Injection into Perovskite Light-Emitting Diodes Using A Black Phosphorus Interlayer. Advanced Electronic Materials, 2019, 5, 1800687.	5.1	20
13	A Delamination Strategy for Thinly Layered Defect-Free High-Mobility Black Phosphorus Flakes. Angewandte Chemie - International Edition, 2018, 57, 4677-4681.	13.8	98
14	A Delamination Strategy for Thinly Layered Defect-Free High-Mobility Black Phosphorus Flakes. Angewandte Chemie, 2018, 130, 4767-4771.	2.0	47
15	Hybrid Silver Nanowire and Graphene-Based Solution-Processed Transparent Electrode for Organic Optoelectronics. Advanced Functional Materials, 2018, 28, 1706010.	14.9	235
16	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. Angewandte Chemie, 2018, 130, 15717-15721.	2.0	241
17	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. Angewandte Chemie - International Edition, 2018, 57, 15491-15495.	13.8	393
18	Open-circuit voltage loss in annealed P3HT:perylene diimide bulk heterojunction solar cells. Applied Physics Letters, 2017, 110, .	3.3	10

#	ARTICLE	IF	CITATIONS
19	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6669-6675.	13.8	134
20	Ultraschnelle Schichtabl�tzung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. <i>Angewandte Chemie</i> , 2017, 129, 6770-6776.	2.0	11
21	Solution-Processable High-Quality Graphene for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25412-25417.	8.0	54
22	Ring size effect on the solid state assembly of propargyl substituted hexa- and octacyclic peptoids. <i>CrystEngComm</i> , 2016, 18, 8838-8848.	2.6	15
23	Dithieno[2,3-d;2'3'-d]benzo[2,1-b;3,4-b']dithiophene: a novel building-block for a planar copolymer. <i>Polymer Chemistry</i> , 2016, 7, 1545-1548.	3.9	13