

Kang Wang

List of Publications by Year in descending order

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17
papers

731
citations

623734

14
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888059

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docs citations

17
times ranked

1329
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing electron diffusion length in narrow-bandgap perovskites for efficient monolithic perovskite tandem solar cells. <i>Nature Communications</i> , 2019, 10, 4498.	12.8	234
2	Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wide-Bandgap Perovskite Solar Cells Beyond 21%. <i>Solar Rrl</i> , 2020, 4, 2000082.	5.8	79
3	Ultrafast Reaction Mechanisms in Perovskite Based Photocatalytic C-C Coupling. <i>ACS Energy Letters</i> , 2020, 5, 566-571.	17.4	61
4	A novel Ni(OH) ₂ /graphene nanosheets electrode with high capacitance and excellent cycling stability for pseudocapacitors. <i>Journal of Power Sources</i> , 2016, 333, 156-163.	7.8	49
5	Both Free and Trapped Carriers Contribute to Photocurrent of Sb ₂ Se ₃ Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4881-4887.	4.6	47
6	Asymmetric Glycolated Substitution for Enhanced Permittivity and Ecocompatibility of High-Performance Photovoltaic Electron Acceptor. <i>Jacs Au</i> , 2021, 1, 1733-1742.	7.9	47
7	Tuning Spin-Polarized Lifetime in Two-Dimensional Metal-Halide Perovskite through Exciton Binding Energy. <i>Journal of the American Chemical Society</i> , 2021, 143, 19438-19445.	13.7	42
8	Individual Electron and Hole Mobilities in Lead-Halide Perovskites Revealed by Noncontact Methods. <i>ACS Energy Letters</i> , 2020, 5, 47-55.	17.4	37
9	Ultrafast probes at the interfaces of solar energy conversion materials. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16399-16407.	2.8	31
10	Enabling Lithium-Metal Anode Encapsulated in a 3D Carbon Skeleton with a Superior Rate Performance and Capacity Retention in Full Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35296-35305.	8.0	19
11	Preparation of fluffy graphene nanosheets from coal-tar pitch with nano-Al ₂ O ₃ as filler. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 354-356.	5.5	17
12	Intrinsic polaronic photocarrier dynamics in hematite. <i>Physical Review B</i> , 2021, 103, .	3.2	17
13	Intrachain and Interchain Exciton-Exciton Annihilation in Donor-Acceptor Copolymers. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3928-3933.	4.6	16
14	Micro-Heterogeneous Annihilation Dynamics of Self-Trapped Excitons in Hematite Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7867-7873.	4.6	15
15	Interplay between Intrachain and Interchain Excited States in Donor-Acceptor Copolymers. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7470-7476.	2.6	10
16	Preparation of near net-shape carbon foams from allyl COPNA-modified bismaleimide resin: Structures and properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 125-131.	5.5	8
17	Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wide-Bandgap Perovskite Solar Cells Beyond 21%. <i>Solar Rrl</i> , 2020, 4, 2070065.	5.8	2