

Jakub Husek

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

350
citations

1040056

9
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface electron dynamics in hematite (Fe_2O_3): correlation between ultrafast surface electron trapping and small polaron formation. <i>Chemical Science</i> , 2017, 8, 8170-8178.	7.4	70
2	Highly Localized Charge Transfer Excitons in Metal Oxide Semiconductors. <i>Nano Letters</i> , 2018, 18, 1228-1233.	9.1	57
3	Ultrafast Electron Trapping and Defect-Mediated Recombination in NiO Probed by Femtosecond Extreme Ultraviolet Reflection-Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5047-5054.	4.6	40
4	Achieving Surface Sensitivity in Ultrafast XUV Spectroscopy: $M_{2,3}$ -Edge Reflection-Absorption of Transition Metal Oxides. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15861-15869.	3.1	38
5	Electrochemical pinacol coupling of aromatic carbonyl compounds in a [BMIM][BF ₄]-H ₂ O mixture. <i>Green Chemistry</i> , 2014, 16, 1489.	9.0	31
6	Iron(III) Speciation Observed at Aqueous and Glycerol Surfaces: Vibrational Sum Frequency and X-ray. <i>Journal of the American Chemical Society</i> , 2019, 141, 13525-13535.	13.7	27
7	Elucidating ultrafast electron dynamics at surfaces using extreme ultraviolet (XUV) reflection-absorption spectroscopy. <i>Chemical Communications</i> , 2018, 54, 4216-4230.	4.1	26
8	Hole Thermalization Dynamics Facilitate Ultrafast Spatial Charge Separation in CuFeO_2 Solar Photocathodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11300-11304.	3.1	25
9	Identifying the acceptor state in NiO hole collection layers: direct observation of exciton dissociation and interfacial hole transfer across a $\text{Fe}_2\text{O}_3/\text{NiO}$ heterojunction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24545-24552.	2.8	22
10	Ultrafast Spin Crossover in a Room-Temperature Ferrimagnet: Element-Specific Spin Dynamics in Photoexcited Cobalt Ferrite. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11368-11375.	3.1	9
11	Visible Light Absorption and Hot Carrier Trapping in Anatase TiO_2 : The Role of Surface Oxygen Vacancies. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10752-10761.	3.1	5
12	Surface Electron Dynamics in TiO_2 Probed by Ultrafast XUV Spectroscopy: Understanding the Role of O Vacancy Defects. , 2020, , .		0