Aleksandar Å½ivkoviÄ

List of Publications by Year
in descending order

15 papers	144 citations	1307366 7 h-index	1199470 12 g-index
15 all docs	15 docs citations	15 times ranked	193 citing authors

#	Article	IF	Citations
1	Density functional theory study explaining the underperformance of copper oxides as photovoltaic absorbers. Physical Review B, 2019, 99, .	1.1	40
2	Exploring the formation of intrinsic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -type and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -type defects in CuO. Physical Review Materials, 2020, 4, .	0.9	20
3	Tuning the electronic band gap of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math> via transition metal doping for improved photovoltaic applications. Physical Review Materials, 2019, 3, .	0.9	15
4	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. ACS Applied Materials & Interfaces, 2021, 13, 32865-32875.	4.0	11
5	Electronic Excitations in Copper Oxides: Time-Dependent Density Functional Theory Calculations with a Self-Consistent Hybrid Kernel. Journal of Physical Chemistry C, 2020, 124, 24995-25003.	1.5	10
6	Photocatalytic Degradation of Rhodamine B Dye and Hydrogen Evolution by Hydrothermally Synthesized NaBH4â€”Spiked ZnS Nanostructures. Frontiers in Chemistry, 2022, 10, 835832.	1.8	10
7	Solution-processed Cd-substituted CZTS nanocrystals for sensitized liquid junction solar cells. Journal of Alloys and Compounds, 2022, 890, 161575.	2.8	9
8	Designing new catalysts for synthetic fuels: general discussion. Faraday Discussions, 2017, 197, 353-388.	1.6	7
9	Changes in CO2 Adsorption Affinity Related to Ni Doping in FeS Surfaces: A DFT-D3 Study. Catalysts, 2021, 11, 486.	1.6	6
10	Magnetic structure and exchange interactions in pyrrhotite end member minerals: hexagonal FeS and monoclinic Fe₇S₈. Journal of Physics Condensed Matter, 2021, 33, 465801.	0.7	6
11	First-principles DFT insights into the structural, elastic, and optoelectronic properties ofÎ±andÎ²-ZnP₂: implications for photovoltaic applications. Journal of Physics Condensed Matter, 2019, 31, 265501.	0.7	4
12	Ferroelastic nature of high pressure phase transition in MgF2. Journal of Alloys and Compounds, 2016, 682, 839-843.	2.8	3
13	Structural and electronic properties of Cu₄O₃ (paramelaconite): the role of native impurities. Pure and Applied Chemistry, 2021, 93, 1229-1244.	0.9	2
14	Insights from density functional theory calculations into the effects of the adsorption and dissociation of water on the surface properties of zinc diphosphide (ZnP2) nanocrystals. Physical Chemistry Chemical Physics, 2021, 23, 26482-26493.	1.3	1
15	First-Principles DFT Insights into the Stabilization of Zinc Diphosphide (ZnP2) Nanocrystals via Surface Functionalization by 4-Aminothiophenol for Photovoltaic Applications. ACS Applied Energy Materials, 0, , .	2.5	0