

Iuliia A Melchakova

List of Publications by Year in descending order

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papers

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1937685

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10
docs citations

10
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Properties of Exotic Nano- and Mesodiamonds with Pentagonal Symmetry. Russian Physics Journal, 2022, 64, 2046-2051.	0.4	0
2	Potential energy surfaces of adsorption and migration of transition metal atoms on nanoporous materials: The case of nanoporous bigraphene and G-C3N4. Applied Surface Science, 2021, 540, 148223.	6.1	4
3	Tunnel barrier engineering of spin-polarized mild band gap vertical ternary heterostructures. Physical Chemistry Chemical Physics, 2021, 23, 22418-22422.	2.8	1
4	Spinterface Formation at $\hat{\pm}$ -Sexithiophene/Ferromagnetic Conducting Oxide. Journal of Physical Chemistry C, 2021, 125, 6073-6081.	3.1	6
5	Towards advanced complex quantum materials for spin-related applications and photo-induced heterogeneous catalysis: The case of (Fe)@g-CN1 (n=2,3) and (Mn)@(g-CN1) ₂ . Computational Materials Science, 2021, 197, 110610.	3.0	1
6	External electric field effect on electronic properties and charge transfer in Co ₂ /Ni ₂ spinterface. International Journal of Quantum Chemistry, 2020, 120, e26092.	2.0	3
7	Towards spin quantum materials: Structure and potential energy profiles of weakly interacting arrays of iron porphyrin complexes at graphene armchair nanoribbon. Chemical Physics Letters, 2020, 755, 137807.	2.6	0
8	Electronic Correlations, Electronic and Vibrational Spectroscopy, and Dynamic Properties of C ₆₀ and C ₇₀ Fullerenes and their Condensed Phases. Russian Physics Journal, 2020, 63, 1376-1385.	0.4	0
9	The role of strong electron correlations in determination of band structure and charge distribution of transition metal dihalide monolayers. Journal of Physics and Chemistry of Solids, 2019, 134, 324-332.	4.0	23
10	Unique Nanomechanical Properties of Diamond-Lonsdaleite Biphases: Combined Experimental and Theoretical Consideration of Popigai Impact Diamonds. Nano Letters, 2019, 19, 1570-1576.	9.1	16