

# Iuliia A Melchakova

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

54  
citations

1937685

4  
h-index

1720034

7  
g-index

10  
all docs

10  
docs citations

10  
times ranked

66  
citing authors

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