

Predrag Lazic

List of Publications by Year in descending order

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29
papers

3,594
citations

361413

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h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

6743
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Area Epitaxial Monolayer MoS ₂ . ACS Nano, 2015, 9, 4611-4620.	14.6	712
2	Interface-engineered templates for molecular spin memory devices. Nature, 2013, 493, 509-513.	27.8	401
3	Prediction of solid-aqueous equilibria: Scheme to combine first-principles calculations of solids with experimental aqueous states. Physical Review B, 2012, 85, .	3.2	342
4	In situ X-ray diffraction monitoring of a mechanochemical reaction reveals a unique topology metal-organic framework. Nature Communications, 2015, 6, 6662.	12.8	294
5	First principles high throughput screening of oxynitrides for water-splitting photocatalysts. Energy and Environmental Science, 2013, 6, 157-168.	30.8	290
6	Design of the Local Spin Polarization at the Organic-Ferromagnetic Interface. Physical Review Letters, 2010, 105, 066601.	7.8	284
7	Graphene on Ir(111): Physisorption with Chemical Modulation. Physical Review Letters, 2011, 107, 036101.	7.8	270
8	Spin- and Energy-Dependent Tunneling through a Single Molecule with Intramolecular Spatial Resolution. Physical Review Letters, 2010, 105, 047204.	7.8	257
9	Structure and Growth of Hexagonal Boron Nitride on Ir(111). ACS Nano, 2016, 10, 11012-11026.	14.6	93
10	Effective gating and tunable magnetic proximity effects in two-dimensional heterostructures. Physical Review B, 2016, 93, .	3.2	85
11	The Backside of Graphene: Manipulating Adsorption by Intercalation. Nano Letters, 2013, 13, 5013-5019.	9.1	74
12	Band structure engineering through orbital interaction for enhanced thermoelectric power factor. Applied Physics Letters, 2014, 104, .	3.3	64
13	CellMatch: Combining two unit cells into a common supercell with minimal strain. Computer Physics Communications, 2015, 197, 324-334.	7.5	60
14	Proximity Band Structure and Spin Textures on Both Sides of Topological-Insulator/Ferromagnetic-Metal Interface and Their Charge Transport Probes. Nano Letters, 2017, 17, 5626-5633.	9.1	59
15	Engineering the magnetic properties of hybrid organic-ferromagnetic interfaces by molecular chemical functionalization. Physical Review B, 2011, 84, .	3.2	52
16	Absence of Edge States in Covalently Bonded Zigzag Edges of Graphene on Ir(111). Advanced Materials, 2013, 25, 1967-1972.	21.0	42
17	JuNoLo – JÄ¼lich nonlocal code for parallel post-processing evaluation of vdW-DF correlation energy. Computer Physics Communications, 2010, 181, 371-379.	7.5	40
18	Ab initio and semi-empirical van der Waals study of graphene–boron nitride interaction from a molecular point of view. Journal of Physics Condensed Matter, 2012, 24, 424214.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Graphene buckles under stress: An x-ray standing wave and scanning tunneling microscopy study. <i>Physical Review B</i> , 2014, 89, .	3.2	22
20	Experimental and Theoretical Study of Selectivity in Mechanochemical Cocrystallization of Nicotinamide with Anthranilic and Salicylic Acid. <i>Crystal Growth and Design</i> , 2018, 18, 1539-1547.	3.0	22
21	Excitonic precursor states in ultrafast pump-probe spectroscopies of surface bands. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 1907-1919.	1.5	20
22	Step-induced faceting and related electronic effects for graphene on Ir(332). <i>Carbon</i> , 2016, 110, 267-277.	10.3	17
23	Energy-Dependent Chirality Effects in Quasifree-Standing Graphene. <i>Physical Review Letters</i> , 2017, 118, 116401.	7.8	17
24	Adsorbed or intercalated: Na on graphene/Ir(111). <i>Physical Review Materials</i> , 2017, 1, .	2.4	14
25	The Robin Hood method – A novel numerical method for electrostatic problems based on a non-local charge transfer. <i>Journal of Computational Physics</i> , 2006, 213, 117-140.	3.8	13
26	First-principles insights into the electronic and magnetic structure of hybrid organic-metal interfaces. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 263001.	1.8	10
27	The Robin Hood method – A new view on differential equations. <i>Engineering Analysis With Boundary Elements</i> , 2008, 32, 76-89.	3.7	7
28	Nonadiabatic quasiparticle dynamics in time resolved electron spectroscopies of surface bands. <i>Surface Science</i> , 2009, 603, 1571-1578.	1.9	5
29	A Short Review on the Magnetic Effects Occurring at Organic Ferromagnetic Interfaces Formed between Benzene-Like Molecules and Graphene with Ferromagnetic Surfaces. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014, 69, 360-370.	1.5	2