

Sergey A Beznosyuk

List of Publications by Year in descending order

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22
papers

159
citations

1163117

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1199594

12
g-index

22
all docs

22
docs citations

22
times ranked

49
citing authors

#	ARTICLE	IF	CITATIONS
1	Approximating quasi-particle density functional calculations of small active clusters: Strong electron correlation effects. <i>International Journal of Quantum Chemistry</i> , 1990, 38, 779-797.	2.0	30
2	Density functional calculation of transition metal cluster energy surfaces. <i>International Journal of Quantum Chemistry</i> , 1990, 38, 691-698.	2.0	15
3	Modern quantum theory and computer simulation in nanotechnologies: quantum topology approaches to kinematic and dynamic structures of self-assembling processes. <i>Materials Science and Engineering C</i> , 2002, 19, 369-372.	7.3	14
4	Informative energetic structure and electronic multistability of condensed state. <i>Computational and Theoretical Chemistry</i> , 1991, 227, 125-129.	1.5	12
5	Multiscale space-time dissipative structures in materials: Two-electron genesis of nonequilibrium electromechanical interfaces. <i>Physical Mesomechanics</i> , 2017, 20, 102-110.	1.9	10
6	Dissipative processes of information dynamics in nanosystems. <i>Materials Science and Engineering C</i> , 2002, 19, 91-94.	7.3	9
7	Theory and Computer Simulation of Quantum NEMS Energy Storage in Materials. <i>International Journal of Nanoscience</i> , 2015, 14, 1460023.	0.7	9
8	Density functional theory: Approximating quasiparticle density functional. <i>International Journal of Quantum Chemistry</i> , 1984, 25, 645-651.	2.0	8
9	Electron swarming in nanostructures. <i>Computational Materials Science</i> , 1999, 14, 209-214.	3.0	8
10	Informational approach to self-assembling aggregation of colloidal nanoparticles. <i>Materials Science and Engineering C</i> , 2009, 29, 884-888.	7.3	7
11	The theory of motion of quantum electromechanical plasmoid nanobots in a condensed-state medium. <i>Russian Physics Journal</i> , 2013, 56, 546-556.	0.4	7
12	Self-assembling of hydrogen superadsorbate in single-walled carbon nanotubes. <i>Superlattices and Microstructures</i> , 2009, 46, 384-386.	3.1	5
13	Convertible hydrogen biradicals storage by graphene nanosheets. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 7590-7599.	7.1	5
14	Nanosystem accumulators of hydrogen: Quantum polycondensates of hydrogen biradicals in carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1287-1291.	7.1	4
15	Attosecond nanotechnology: NEMS of energy storage and nanostructural transformations in materials. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	4
16	Computer simulation of attosecond nanotechnologies based on quantum NEMS in materials. <i>International Journal of Nanotechnology</i> , 2017, 14, 590.	0.2	4
17	Computer simulation of growing fractal nanodendrites by using of the multi-directed cellular automatic device. <i>Materials Science and Engineering C</i> , 2007, 27, 1270-1272.	7.3	3
18	Theoretical Modeling of Hydrogen Polycondensation on Carbon Nanotubular Surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1408-1411.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Mathematical modeling of the infrastructure of attosecond actuators and femtosecond sensors of nonequilibrium physical media in smart materials. AIP Conference Proceedings, 2017, , .	0.4	2
20	Attosecond nanotechnology: Quantum dots of nanoelectromechanical systems of $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$ compounds. AIP Conference Proceedings, 2016, , .	0.4	0
21	Numerical simulation of the attosecond quantum sensor at supra-atomic scale level of smart materials. AIP Conference Proceedings, 2018, , .	0.4	0
22	Computer simulation of quantum technologies: The interaction of diatomic A_2 molecules ($A = \text{C}, \text{Si}, \text{N}$)	0.4	0