Sergey A Beznosyuk

List of Publications by Year
in descending order

22	159	1163117 8	1199594 12
papers	citations	h-index	g-index

22	22	22	49
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computer simulation of quantum technologies: The interaction of diatomic A2 molecules (A = C, Si, N,) Tj ETQq1 1 0.784314 rgBT /Over	0.4	0
2	Numerical simulation of the attosecond quantum sensor at supra-atomic scale level of smart materials. AIP Conference Proceedings, 2018, , .	0.4	0
3	Multiscale space-time dissipative structures in materials: Two-electron genesis of nonequilibrium electromechanical interfaces. Physical Mesomechanics, 2017, 20, 102-110.	1.9	10
4	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
5	Computer simulation of attosecond nanotechnologies based on quantum NEMS in materials. International Journal of Nanotechnology, 2017, 14, 590.	0.2	4
6	Attosecond nanotechnology: Quantum dots of nanoelectromechanical systems of CuInxGa1â€“xSe2 compounds. AIP Conference Proceedings, 2016, , .	0.4	0
7	Convertible hydrogen biradicals storage by graphene nanosheets. International Journal of Hydrogen Energy, 2016, 41, 7590-7599.	7.1	5
8	Attosecond nanotechnology: NEMS of energy storage and nanostructural transformations in materials. AIP Conference Proceedings, 2015, , .	0.4	4
9	Theory and Computer Simulation of Quantum NEMS Energy Storage in Materials. International Journal of Nanoscience, 2015, 14, 1460023.	0.7	9
10	The theory of motion of quantum electromechanical plasmoid nanobots in a condensed-state medium. Russian Physics Journal, 2013, 56, 546-556.	0.4	7
11	Nanosystem accumulators of hydrogen: Quantum polycondensates of hydrogen biradicals in carbon nanotubes. International Journal of Hydrogen Energy, 2011, 36, 1287-1291.	7.1	4
12	Informational approach to self-assembling aggregation of colloidal nanoparticles. Materials Science and Engineering C, 2009, 29, 884-888.	7.3	7
13	Self-assembling of hydrogen superadsorbate in single-walled carbon nanotubes. Superlattices and Microstructures, 2009, 46, 384-386.	3.1	5
14	Theoretical Modeling of Hydrogen Polycondensation on Carbon Nanotubular Surfaces. Journal of Nanoscience and Nanotechnology, 2009, 9, 1408-1411.	0.9	3
15	Computer simulation of growing fractal nanodendrites by using of the multi-directed cellular automatic device. Materials Science and Engineering C, 2007, 27, 1270-1272.	7.3	3
16	Modern quantum theory and computer simulation in nanotechnologies: quantum topology approaches to kinematic and dynamic structures of self-assembling processes. Materials Science and Engineering C, 2002, 19, 369-372.	7.3	14
17	Dissipative processes of information dynamics in nanosystems. Materials Science and Engineering C, 2002, 19, 91-94.	7.3	9
18	Electron swarming in nanostructures. Computational Materials Science, 1999, 14, 209-214.	3.0	8

#	Article	IF	Citations
19	Informative energetic structure and electronic multistability of condensed state. Computational and Theoretical Chemistry, 1991, 227, 125-129.	1.5	12
20	Density functional calculation of transition metal cluster energy surfaces. International Journal of Quantum Chemistry, 1990, 38, 691-698.	2.0	15
21	Approximating quasi-particle density functional calculations of small active clusters: Strong electron correlation effects. International Journal of Quantum Chemistry, 1990, 38, 779-797.	2.0	30
22	Density functional theory: Approximating quasiparticle density functional. International Journal of Quantum Chemistry, 1984, 25, 645-651.	2.0	8