

Shigeru Ishikawa

List of Publications by Year in descending order

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19
papers

95
citations

1684188

5
h-index

1372567

10
g-index

19
all docs

19
docs citations

19
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Principles Study of the Lithium Interaction with Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11986-11993.	2.6	37
2	Extended orbital vibronic constant and attractive force for superconductivity in a molecular model of polyacetylene. <i>Chemical Physics Letters</i> , 1989, 154, 403-407.	2.6	9
3	A vibronic model of cooper pairing in a two-dimensional sheet of Cu ²⁺ -O squares in high-Tc copper oxide superconductors. <i>Chemical Physics Letters</i> , 1989, 160, 353-358.	2.6	9
4	Vibronic attractive interaction for superconductivity in a local model of C60. <i>Chemical Physics Letters</i> , 1993, 201, 315-320.	2.6	8
5	Mechanism of the fractionation of 7Li ions into aqueous solutions: ion-exchange with the six-membered oxygen ring of zeolite-A. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 415-422.	2.8	6
6	A theoretical deduction of the shape and size of nanocarbons suitable for hydrogen storage. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 1339-1346.	2.3	5
7	Isomorphic electron orbitals for vibronic flexibility in a cyclopropenyl radical molecular device. <i>Theoretica Chimica Acta</i> , 1990, 78, 1-9.	0.8	4
8	A theoretical study of hydrogen adsorption on Li, Be, Na, and Mg atoms attached to aromatic hydrocarbons. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 29-37.	2.3	4
9	Title is missing!. <i>Molecular Engineering</i> , 1998, 8, 9-24.	0.2	3
10	Phase separation in hydrated LTA zeolite. <i>Microporous and Mesoporous Materials</i> , 2005, 78, 169-180.	4.4	3
11	The potential energy curve and Langmuir isotherm of hydrogen adsorption by a truncated carbon sphere. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1365-1372.	2.3	3
12	Theoretical study of hydrogen storage in a truncated tetrahedron hydrocarbon. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	3
13	Theoretical study of hydrogen storage in a truncated triangular pyramid molecule consisting of pyridine and benzene rings bridged by vinylene groups. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	1
14	Superconducting vibronic interaction in model organic polymers which contain hetero atoms and triple bonds. <i>Computational and Theoretical Chemistry</i> , 1991, 235, 211-226.	1.5	0
15	Vibronic attraction energy for superconductivity in the model of Si-containing organic polymers. <i>Molecular Engineering</i> , 1991, 1, 105-114.	0.2	0
16	Atomic orbital-wise characterization of the vibronic attractive interaction in a model of an oxygen-containing organic polymer. <i>Canadian Journal of Chemistry</i> , 1992, 70, 427-433.	1.1	0
17	A quantum chemical study of interchain hopping model of negatively charged solitons in polyacetylene. <i>International Journal of Quantum Chemistry</i> , 1992, 41, 461-474.	2.0	0
18	Reaction field method for the molecular orientation potential in an anisotropic medium. <i>Molecular Engineering</i> , 1995, 5, 371-379.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Theoretical study on the ability of bicyclic cryptands to separate alkali-metal isotopes by ion exchange. <i>New Journal of Chemistry</i> , 2019, 43, 13083-13093.	2.8	0