Shigeru Ishikawa

List of Publications by Year
in descending order

19	95	1684188 5	1372567 10
papers	citations	h-index	g-index

19	19	19	89
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical study on the ability of bicyclic cryptands to separate alkali-metal isotopes by ion exchange. New Journal of Chemistry, 2019, 43, 13083-13093.	2.8	0
2	Theoretical study of hydrogen storage in a truncated triangular pyramid molecule consisting of pyridine and benzene rings bridged by vinylene groups. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	1
3	Theoretical study of hydrogen storage in a truncated tetrahedron hydrocarbon. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
4	The potential energy curve and Langmuir isotherm of hydrogen adsorption by a truncated carbon sphere. Applied Physics A: Materials Science and Processing, 2015, 119, 1365-1372.	2.3	3
5	A theoretical deduction of the shape and size of nanocarbons suitable for hydrogen storage. Applied Physics A: Materials Science and Processing, 2014, 114, 1339-1346.	2.3	5
6	A theoretical study of hydrogen adsorption on Li, Be, Na, and Mg atoms attached to aromatic hydrocarbons. Applied Physics A: Materials Science and Processing, 2010, 99, 29-37.	2.3	4
7	Phase separation in hydrated LTA zeolite. Microporous and Mesoporous Materials, 2005, 78, 169-180.	4.4	3
8	Mechanism of the fractionation of 7Li ions into aqueous solutions: ion-exchange with the six-membered oxygen ring of zeolite-A. Physical Chemistry Chemical Physics, 2003, 5, 415-422.	2.8	6
9	First-Principles Study of the Lithium Interaction with Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry B, 2001, 105, 11986-11993.	2.6	37
10	Title is missing!. Molecular Engineering, 1998, 8, 9-24.	0.2	3
11	Reaction field method for the molecular orientation potential in an anisotropic medium. Molecular Engineering, 1995, 5, 371-379.	0.2	0
12	Vibronic attractive interaction for superconductivity in a local model of C60. Chemical Physics Letters, 1993, 201, 315-320.	2.6	8
13	Atomic orbital-wise characterization of the vibronic attractive interaction in a model of an oxygen-containing organic polymer. Canadian Journal of Chemistry, 1992, 70, 427-433.	1.1	0
14	A quantum chemical study of interchain hopping model of negatively charged solitons in polyacetylene. International Journal of Quantum Chemistry, 1992, 41, 461-474.	2.0	0
15	Superconducting vibronic interaction in model organic polymers which contain hetero atoms and triple bonds. Computational and Theoretical Chemistry, 1991, 235, 211-226.	1.5	0
16	Vibronic attraction energy for superconductivity in the model of Si-containing organic polymers. Molecular Engineering, 1991, 1, 105-114.	0.2	0
17	Isomorphic electron orbitals for vibronic flexibility in a cyclopropenyl radical molecular device. Theoretica Chimica Acta, 1990, 78, 1-9.	0.8	4
18	Extended orbital vibronic constant and attractive force for superconductivity in a molecular model of polyacetylene. Chemical Physics Letters, 1989, 154, 403-407.	2.6	9

#	Article	IF	Citations
19	A vibronic model of cooper pairing in a two-dimensional sheet of Cuî—¸O squares in high-Tc copper oxide superconductors. Chemical Physics Letters, 1989, 160, 353-358.	2.6	9