Francis T Marchese

List of Publications by Year
in descending order

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27	350	933447 10	940533 16
papers	citations	h-index	g-index

28	28	28	179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The calculation of ground and excited state molecular polarizabilities: A simple perturbation treatment. Theoretica Chimica Acta, 1977, 45, 241-247.	0.8	51
2	Anab initio molecular orbital study of substituted carbonyl compounds. Theoretica Chimica Acta, 1975, 36, 195-206.	0.8	49
3	Pattern recognition approach to the analysis of geometrical features of solvation: application to the aqueous hydration of lithium(1+), sodium(1+), potassium(1+), fluoride(1-), and chloride(1-) ions. Journal of the American Chemical Society, 1984, 106, 3713-3720.	13.7	40
4	On Requirements Visualization. , 2007, , .		29
5	LIQUID STATE COMPUTER SIMULATIONS OF BIOMOLECULAR SOLVATION PROBLEMS. Annals of the New York Academy of Sciences, 1981, 367, 108-131.	3.8	25
6	The use of CNDO in spectroscopy. XV. Two photon absorption. Journal of Chemical Physics, 1980, 72, 4194-4203.	3.0	23
7	Transferable potential functions from quantum-mechanical calculations of intermolecular interaction energies. The Journal of Physical Chemistry, 1982, 86, 2592-2601.	2.9	23
8	Statistical state solvation sites. Journal of the American Chemical Society, 1981, 103, 672-673.	13.7	17
9	Fostering Asynchronous Collaborative Visualization. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	14
10	Cooperativity of hydrophillic and hydrophobic effects in the aqueous hydration of polyfunctional solutes. Chemical Physics Letters, 1984, 105, 431-432.	2.6	13
11	Molecular orbital theory of the hydrogen bond. V. Hydrogen bonding through the lone pair and the pi system in HFâ€“HCN. Journal of Chemical Physics, 1973, 58, 926-929.	3.0	12
12	The calculation of ground and excited doublet state molecular polarizabilities by the CNDO/S-CI method. Computational and Theoretical Chemistry, 1981, 86, 97-102.	1.5	8
13	The Origins and Rise of Medieval Information Visualization. , 2012, , .		7
14	Thermal motion from monte carlo simulations of aqueous ionic solutions. International Journal of Quantum Chemistry, 1986, 29, 619-625.	2.0	6
15	Exploring the Origins of Tables for Information Visualization. , 2011, , .		6
16	The use of CNDO/S in spectroscopy. XVI. Multiple photon ICR photodissociation spectra. Journal of Chemical Physics, 1980, 72, 4204-4207.	3.0	5
17	Periodicity, visualization, and design. Foundations of Chemistry, 2013, 15, 31-55.	1.1	5
18	Teaching computer graphics with spreadsheets. , 1998, , .		4

#	Article	IF	Citations
19	The Chemical Table: An Open Dialog between Visualization and Design. , 2008, , .		4
20	Conserving Digital Art for Deep Time. Leonardo, 2011, 44, 302-308.	0.3	4
21	CrystalDome: A Projected Hemispherical Display with a Gestural Interface. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	1
22	Scouting Requirements Quality Using Visual Representations. , 2009, , .		1
23	A System for Real-Time Transcoding and Delivery of Video to Smartphones. , 2010, , .		1
24	Virtues and Vices: Examples of Medieval Knowledge Visualization. , 2013, , .		1
25	The Gothic Cathedral: An Immersive Information Visualization Space. , 2014, , .		1
26	Coordination numbers for biomolecular hydration: A quantitative method based on pattern recognition analysis of Monte Carlo simulations of aqueous solutions. Journal of Computational Chemistry, 1990, 11, 374-381.	3.3	0
27	Molecular Rendering with Medieval and Renaissance Color Theory. , 2010, , .		0