Joseph Ivanic

List of Publications by Year
in descending order

25	2,301	430874	580821
papers	citations	18 h-index	25 g-index

25	25	25	2322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ketone Incorporation Extends the Emission Properties of the Xanthene Scaffold Beyond 1000 nm^{â€}. Photochemistry and Photobiology, 2022, 98, 325-333.	2.5	18
2	Targeted multicolor in vivo imaging over 1,000â€‰nm enabled by nonamethine cyanines. Nature Methods, 2022, 19, 353-358.	19.0	65
3	Protonation-Dependent Sequencing of 5-Formylcytidine in RNA. Biochemistry, 2022, 61, 535-544.	2.5	10
4	Repurposing the Pummerer Rearrangement: Determination of Methionine Sulfoxides in Peptides. ChemBioChem, 2020, 21, 508-516.	2.6	2
5	Core remodeling leads to long wavelength fluoro-coumarins. Chemical Science, 2020, 11, 7302-7307.	7.4	38
6	Impact of Cyanine Conformational Restraint in the Near-Infrared Range. Journal of Organic Chemistry, 2020, 85, 5907-5915.	3.2	60
7	Recent developments in the general atomic and molecular electronic structure system. Journal of Chemical Physics, 2020, 152, 154102.	3.0	734
8	Hybrid Correlation Energy (HyCE): An Approach Based on Separate Evaluations of Internal and External Components. Journal of Physical Chemistry A, 2018, 122, 5223-5237.	2.5	3
9	In Vivo Activation of Duocarmycinâ€“Antibody Conjugates by Near-Infrared Light. ACS Central Science, 2017, 3, 329-337.	11.3	125
10	The transition from the open minimum to the ring minimum on the ground state and on the lowest excited state of like symmetry in ozone: A configuration interaction study. Journal of Chemical Physics, 2016, 144, 104304.	3.0	13
11	Reactive species involved in the regioselective photooxidation of heptamethine cyanines. Chemical Science, 2015, 6, 6556-6563.	7.4	112
12	Covalent bonds are created by the drive of electron waves to lower their kinetic energy through expansion. Journal of Chemical Physics, 2014, 140, 204104.	3.0	77
13	High-level theoretical study of the NO dimer and tetramer: Has the tetramer been observed?. Journal of Chemical Physics, 2012, 137, 214316.	3.0	15
14	Solvent-Induced Shifts in Electronic Spectra of Uracil. Journal of Physical Chemistry A, 2011, 115, 4574-4582.	2.5	54
15	Intrinsic local constituents of molecular electronic wave functions. I. Exact representation of the density matrix in terms of chemically deformed and oriented atomic minimal basis set orbitals. Theoretical Chemistry Accounts, 2008, 120, 281-294.	1.4	44
16	Intrinsic local constituents of molecular electronic wave functions. II. Electronic structure analyses in terms of intrinsic oriented quasi-atomic molecular orbitals for the molecules FOOH, H2BH2BH2, H2CO and the isomerization HNO â†' NOH. Theoretical Chemistry Accounts, 2008, 120, 295-305.	1.4	23
17	A systematic multireference perturbation-theory study of the low-lying states of SiC3. Journal of Chemical Physics, 2006, 124, 034303.	3.0	17
18	Direct configuration interaction and multiconfigurational self-consistent-field method for multiple active spaces with variable occupations. I. Method. Journal of Chemical Physics, 2003, 119, 9364-9376.	3.0	247

#	Article	IF	Citations
19	Direct configuration interaction and multiconfigurational self-consistent-field method for multiple active spaces with variable occupations. II. Application to oxoMn(salen) and N2O4. Journal of Chemical Physics, 2003, 119, 9377-9385.	3.0	87
20	Split-localized orbitals can yield stronger configuration interaction convergence than natural orbitals. Journal of Chemical Physics, 2003, 119, 8217-8224.	3.0	66
21	Deadwood in configuration spaces. II. Singles + doubles and singles + doubles + triples + quadruples spaces. Theoretical Chemistry Accounts, 2002, 107, 220-228.	1.4	33
22	Identification of deadwood in configuration spaces through general direct configuration interaction. Theoretical Chemistry Accounts, 2001, 106, 339-351.	1.4	157
23	Rapid and stable determination of rotation matrices between spherical harmonics by direct recursion. Journal of Chemical Physics, 1999, 111, 8825-8831.	3.0	146
24	Violation of the weak noncrossing rule between totally symmetric closed-shell states in the valence-isoelectronic series O3, S3, SO2, and S2O. Journal of Chemical Physics, 1997, 107, 4307-4317.	3.0	51
25	Rotation Matrices for Real Spherical Harmonics. Direct Determination by Recursion. The Journal of Physical Chemistry, 1996, 100, 6342-6347.	2.9	104