Joseph J Belbruno

List of Publications by Year
in descending order

29 papers	1,370 citations	759233 12 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	1585 citing authors

#	Article	IF	Citations
1	Molecularly Imprinted Polymers. Chemical Reviews, 2019, 119, 94-119.	47.7	908
2	Direct growth by arc discharge and computational study of zinc sulfide nanotubes. Journal of Materials Science, 2016, 51, 9716-9722.	3.7	1
3	Thermochemical study of amino acid imprinted polymer films. Journal of Molecular Recognition, 2015, 28, 651-655.	2.1	5
4	A Molecularly Imprinted Fluoral-P/Polyaniline Double Layer Sensor System for Selective Sensing of Formaldehyde. IEEE Sensors Journal, 2014, 14, 1490-1498.	4.7	21
5	A selective molecularly imprinted polymer-carbon nanotube sensor for cotinine sensing. Journal of Molecular Recognition, 2014, 27, 57-63.	2.1	18
6	Detection of formaldehyde vapor using conductive polymer films. Sensors and Actuators B: Chemical, 2013, 182, 300-306.	7.8	46
7	Effect of the host polymer on the nanomechanical and morphological properties of templated polymer films. Journal of Applied Polymer Science, 2013, 130, 877-883.	2.6	1
8	Characterization of functional states in nicotineâ€•and cotinineâ€imprinted poly(4â€vinylphenol) films by nanoindentation. Journal of Applied Polymer Science, 2012, 124, 2798-2806.	2.6	4
9	Density Functional Theory Study of the Adsorption of Nitrogen and Sulfur Atoms on Gold (111), (100), and (211) Surfaces. Journal of Physical Chemistry C, 2011, 115, 22987-22997.	3.1	14
10	Rotation barriers in condensed rings: an extension of Clar's stability rule. Journal of Physical Organic Chemistry, 2006, 19, 115-121.	1.9	1
11	Bonding and energetics in small clusters of gallium and arsenic. Heteroatom Chemistry, 2003, 14, 189-196.	0.7	40
12	COMPUTATIONAL STUDY OF N@C60, P@C60, AND As@C60. Fullerenes Nanotubes and Carbon Nanostructures, 2002, 10, 23-35.	2.1	14
13	The structure and energetics of carbon-nitrogen clusters. Molecular Physics, 2001, 99, 957-967.	1.7	40
14	The structure of small gallium nitride clusters. Heteroatom Chemistry, 2000, 11, 281-286.	0.7	33
15	Photochemistry and photophysics of small heterocyclic molecules: III. Continuous wave CO2 laser chemistry of ethylene oxide. Journal of Physical Organic Chemistry, 1999, 12, 681-687.	1.9	1
16	A Simple and Efficient Ozone Generator. Journal of Chemical Education, 1999, 76, 1712.	2.3	10
17	Ab initio calculations of the structures and energies of Ge(CH3)2 from tetramethylgermane in CVD. Heteroatom Chemistry, 1998, 9, 195-200.	0.7	7
18	The application of effective core potentials in heavy atom molecules: A study of small gold clusters and molecules as a function of theoretical method. Heteroatom Chemistry, 1998, 9, 651-657.	0.7	12

#	Article	IF	Citations
19	AB INITIO CALCULATIONS OF THE POTENTIAL ENERGY SURFACES FOR THE UNIMOLECULAR DISSOCIATION REACTION OF ETHYLENE OXIDE. Journal of Physical Organic Chemistry, 1997, 10, 113-120.	1.9	14
20	Ab Initio Calculations of the Rotational Barriers in H2Te2 and (CH3)2Te2. Heteroatom Chemistry, 1997, 8, 199-202.	0.7	4
21	Multiphoton Dissociation of Iron Carbonyls: Emission from Atomic Iron. Spectroscopy Letters, 1996, 29, 41-51.	1.0	0
22	Ab initio calculations of the rotational barrier in dimethyl diselenide. Heteroatom Chemistry, 1996, 7, 39-43.	0.7	10
23	Molecular and electronic structure of benzeneselenenyl molecules and cations. Heteroatom Chemistry, 1995, 6, 499-502.	0.7	0
24	A prediction of chromium(III) accumulation in humans from chromium dietary supplements.. FASEB Journal, 1995, 9, 1650-1657.	0.5	158
25	Multiphoton ionization and chemical dynamics. International Reviews in Physical Chemistry, 1995, 14, 67-84.	2.3	3
26	Multiphoton Dissociation Dynamics of Organoiron and Organoselenium Molecules. ACS Symposium Series, 1993, , 49-60.	0.5	2
27	Uv Multiphoton Induced Chemistry of Nitrobenzene in Solution. Laser Chemistry, 1990, 10, 177-184.	0.5	2
28	Laser Ionization Spectroscopy of Octafluorocyclooctatetraene. Spectroscopy Letters, 1989, 22, 747-761.	1.0	1
29	Laser-assisted chemistry in the reaction of Mg(1S) with CO2 to yield MgO(Bâ€‰1Î£+). AIP Conference Proceedings, 1988, , .	0.4	0