

# Joseph J Belbruno

## List of Publications by Year in descending order

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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. <i>Chemical Reviews</i> , 2019, 119, 94-119.	47.7	908
2	A prediction of chromium(III) accumulation in humans from chromium dietary supplements.. <i>FASEB Journal</i> , 1995, 9, 1650-1657.	0.5	158
3	Detection of formaldehyde vapor using conductive polymer films. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 300-306.	7.8	46
4	The structure and energetics of carbon-nitrogen clusters. <i>Molecular Physics</i> , 2001, 99, 957-967.	1.7	40
5	Bonding and energetics in small clusters of gallium and arsenic. <i>Heteroatom Chemistry</i> , 2003, 14, 189-196.	0.7	40
6	The structure of small gallium nitride clusters. <i>Heteroatom Chemistry</i> , 2000, 11, 281-286.	0.7	33
7	A Molecularly Imprinted Fluoral-P/Polyaniline Double Layer Sensor System for Selective Sensing of Formaldehyde. <i>IEEE Sensors Journal</i> , 2014, 14, 1490-1498.	4.7	21
8	A selective molecularly imprinted polymer-carbon nanotube sensor for cotinine sensing. <i>Journal of Molecular Recognition</i> , 2014, 27, 57-63.	2.1	18
9	AB INITIO CALCULATIONS OF THE POTENTIAL ENERGY SURFACES FOR THE UNIMOLECULAR DISSOCIATION REACTION OF ETHYLENE OXIDE. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 113-120.	1.9	14
10	COMPUTATIONAL STUDY OF N@C60, P@C60, AND As@C60. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2002, 10, 23-35.	2.1	14
11	Density Functional Theory Study of the Adsorption of Nitrogen and Sulfur Atoms on Gold (111), (100), and (211) Surfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22987-22997.	3.1	14
12	The application of effective core potentials in heavy atom molecules: A study of small gold clusters and molecules as a function of theoretical method. <i>Heteroatom Chemistry</i> , 1998, 9, 651-657.	0.7	12
13	Ab initio calculations of the rotational barrier in dimethyl diselenide. <i>Heteroatom Chemistry</i> , 1996, 7, 39-43.	0.7	10
14	A Simple and Efficient Ozone Generator. <i>Journal of Chemical Education</i> , 1999, 76, 1712.	2.3	10
15	Ab initio calculations of the structures and energies of Ge(CH <sub>3</sub> ) <sub>2</sub> from tetramethylgermane in CVD. <i>Heteroatom Chemistry</i> , 1998, 9, 195-200.	0.7	7
16	Thermochemical study of amino acid imprinted polymer films. <i>Journal of Molecular Recognition</i> , 2015, 28, 651-655.	2.1	5
17	Ab Initio Calculations of the Rotational Barriers in H <sub>2</sub> Te <sub>2</sub> and (CH <sub>3</sub> ) <sub>2</sub> Te <sub>2</sub> . <i>Heteroatom Chemistry</i> , 1997, 8, 199-202.	0.7	4
18	Characterization of functional states in nicotine- and cotinine-imprinted poly(4-vinylphenol) films by nanoindentation. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2798-2806.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Multiphoton ionization and chemical dynamics. <i>International Reviews in Physical Chemistry</i> , 1995, 14, 67-84.	2.3	3
20	Uv Multiphoton Induced Chemistry of Nitrobenzene in Solution. <i>Laser Chemistry</i> , 1990, 10, 177-184.	0.5	2
21	Multiphoton Dissociation Dynamics of Organoiron and Organoselenium Molecules. <i>ACS Symposium Series</i> , 1993, , 49-60.	0.5	2
22	Laser Ionization Spectroscopy of Octafluorocyclooctatetraene. <i>Spectroscopy Letters</i> , 1989, 22, 747-761.	1.0	1
23	Photochemistry and photophysics of small heterocyclic molecules: III. Continuous wave CO2 laser chemistry of ethylene oxide. <i>Journal of Physical Organic Chemistry</i> , 1999, 12, 681-687.	1.9	1
24	Rotation barriers in condensed rings: an extension of Clar's stability rule. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 115-121.	1.9	1
25	Effect of the host polymer on the nanomechanical and morphological properties of templated polymer films. <i>Journal of Applied Polymer Science</i> , 2013, 130, 877-883.	2.6	1
26	Direct growth by arc discharge and computational study of zinc sulfide nanotubes. <i>Journal of Materials Science</i> , 2016, 51, 9716-9722.	3.7	1
27	Laser-assisted chemistry in the reaction of Mg(1S) with CO2 to yield MgO(Bâ€™%11£+). <i>AIP Conference Proceedings</i> , 1988, , .	0.4	0
28	Molecular and electronic structure of benzeneselenenyl molecules and cations. <i>Heteroatom Chemistry</i> , 1995, 6, 499-502.	0.7	0
29	Multiphoton Dissociation of Iron Carbonyls: Emission from Atomic Iron. <i>Spectroscopy Letters</i> , 1996, 29, 41-51.	1.0	0