

# SeyedAbdolreza Sadjadi

## List of Publications by Year in descending order

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19  
papers

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citations

1163117

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1125743

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19  
all docs

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docs citations

19  
times ranked

172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective interactions among organometallics are exotic bonds hidden on lab shelves. Nature Communications, 2022, 13, 2069.	12.8	20
2	Bonding and metastability for Group 12 dications. Journal of Computational Chemistry, 2021, 42, 40-49.	3.3	3
3	It remains a cage: ionization tolerance of C <sub>60</sub> fullerene in planetary nebulae. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 620-625.	2.1	5
4	A theoretical investigation of the possible detection of C <sub>24</sub> in space. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 637-641.	2.1	6
5	Hydrogenated fullerenes (fulleranes) in space. Astrophysics and Space Science, 2020, 365, 1.	1.4	5
6	The Astrochemistry Implications of Quantum Chemical Normal Modes Vibrational Analysis. Galaxies, 2018, 6, 123.	3.0	2
7	Chemical enrichment of galaxies as the result of organic synthesis in evolved stars. Proceedings of the International Astronomical Union, 2018, 14, 443-444.	0.0	0
8	Mixed Aromatic Aliphatic Organic Nanoparticles (MAON) as Carriers of Unidentified Infrared Emission Bands. Proceedings of the International Astronomical Union, 2018, 14, 401-402.	0.0	0
9	On the Origin of the 3.3 $\mu$ m Unidentified Infrared Emission Feature. Astrophysical Journal, 2017, 845, 123.	4.5	11
10	On the topology of the electron density of H <sub>3</sub> <sup>+</sup> . Structural Chemistry, 2017, 28, 1445-1452.	2.0	3
11	Search for Hydrogenated C <sub>60</sub> (Fulleranes) in Circumstellar Envelopes. Astrophysical Journal, 2017, 845, 76.	4.5	18
12	Fullerenes and fulleranes in circumstellar envelopes. Journal of Physics: Conference Series, 2016, 728, 052004.	0.4	5
13	THE 6 $\mu$ m FEATURE AS A TRACER OF ALIPHATIC COMPONENTS OF INTERSTELLAR CARBONACEOUS GRAINS. Astrophysical Journal, 2016, 832, 213.	4.5	9
14	Theoretical infrared spectra of MAON molecules. Journal of Physics: Conference Series, 2016, 728, 062003.	0.4	7
15	The barrier to the methyl rotation in <i>cis</i> -2-butene and its isomerization energy to <i>trans</i> -2-butene, revisited. Journal of Computational Chemistry, 2016, 37, 143-154.	3.3	28
16	ON THE ORIGIN OF THE 11.3 MICRON UNIDENTIFIED INFRARED EMISSION FEATURE. Astrophysical Journal, 2015, 807, 95.	4.5	20
17	A THEORETICAL STUDY ON THE VIBRATIONAL SPECTRA OF POLYCYCLIC AROMATIC HYDROCARBON MOLECULES WITH ALIPHATIC SIDEGROUPS. Astrophysical Journal, 2015, 801, 34.	4.5	21
18	Chemical bonding in groups 10, 11, and 12 transition metal homodimers – An electron density study. Canadian Journal of Chemistry, 2013, 91, 583-590.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Relativistic-Consistent Electron Densities of the Coinage Metal Clusters $M_2$ , $M_4$ , $M_4^{2+}$ , and $M_4Na_2$ ( $M = Cu, Ag, Au$ ): A QTAIM Study. <i>Journal of Physical Chemistry A</i> , 2011, 115, 13024-13035.	2.5	19