

# Vijisha K Rajan

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

255  
citations

9  
h-index

15  
g-index

20  
ext. papers

346  
ext. citations

4.6  
avg, IF

3.95  
L-index

#	Paper	IF	Citations
20	A computational investigation on the structure, global parameters and antioxidant capacity of a polyphenol, Gallic acid. <i>Food Chemistry</i> , <b>2017</b> , 220, 93-99	8.5	89
19	The natural food colorant Peonidin from cranberries as a potential radical scavenger - A DFT based mechanistic analysis. <i>Food Chemistry</i> , <b>2018</b> , 262, 184-190	8.5	22
18	A DFT based analysis of adsorption of Hg ion on chitosan monomer and its citralidene and salicylidene derivatives: Prior to the removal of Hg toxicity. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 549-554	7.9	20
17	Synthesis and molecular dynamics of double active pharmaceutical ingredient-benzalkonium ibuprofenate. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 1333-1339	6	15
16	DFT and QTAIM based investigation on the structure and antioxidant behavior of lichen substances Atranorin, Evernic acid and Diffractaic acid. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 80, 66-78	3.6	12
15	Green synthesis of pure and doped semiconductor nanoparticles of ZnS and CdS. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2015</b> , 25, 3265-3270	3.3	12
14	DFT studies on global parameters, antioxidant mechanism and molecular docking of amlodipine besylate. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 80, 46-53	3.6	11
13	Experimental and density functional theory studies on benzalkonium ibuprofenate, a double active pharmaceutical ingredient. <i>Computational Biology and Chemistry</i> , <b>2018</b> , 72, 113-121	3.6	11
12	A computational exploration into the structure, antioxidant capacity, toxicity and drug-like activity of the anthocyanidin "Petunidin". <i>Heliyon</i> , <b>2019</b> , 5, e02115	3.6	9
11	Molecular dynamics in amorphous pharmaceutically important protic ionic liquid Benzalkonium chloride. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 251, 487-491	6	9
10	Novel 4,4'-Fluoresceinoxy Bisphthalonitrile Showing Aggregation-Induced Enhanced Emission and Fluorescence Turn off Behavior to Fe Ions. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 279-291	2.4	7
9	Studies on the UV filtering and radical scavenging capacity of the bitter masking flavanone Eriodictyol. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 185, 254-261	6.7	7
8	Betti base and its modified phthalonitrile derivative for the turn on fluorimetric detection of Hg <sup>2+</sup> and Cr <sup>3+</sup> ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111904	4.7	6
7	QSAR modeling of benzoquinone derivatives as 5-lipoxygenase inhibitors. <i>Food Science and Human Wellness</i> , <b>2019</b> , 8, 53-62	8.3	6
6	QSAR classification-based virtual screening followed by molecular docking studies for identification of potential inhibitors of 5-lipoxygenase. <i>Computational Biology and Chemistry</i> , <b>2018</b> , 77, 154-166	3.6	6
5	A non toxic natural food colorant and antioxidant Peonidin as a pH indicator: A TDDFT analysis. <i>Computational Biology and Chemistry</i> , <b>2018</b> , 76, 202-209	3.6	5
4	A comparative study on the druggability of Schiff bases and dithiocarbamate derivatives of chitosan. <i>Polymer Bulletin</i> , <b>2016</b> , 73, 2165-2177	2.4	3

- 3 Suzuki coupling derived indolocarbazole based macromolecule as a solid phase/solution phase sensor for Hg<sup>2+</sup>: Experimental and theoretical explorations. *European Polymer Journal*, **2019**, 114, 287-297 5.2 2
- 2 Data on the UV filtering and radical scavenging capacity of the bitter masking flavanone Eriodictyol. *Data in Brief*, **2018**, 20, 981-985 1.2 2
- 1 Spectral variations associated with anthocyanin accumulation; an apt tool to evaluate zinc stress in *Zea mays* L.. *Chemistry and Ecology*, **2021**, 37, 32-49 2.3 1