

# Vibin Ipe Thomas

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

370  
citations

933447

10  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual channel plasmonic hybrid system as potential multi-analyte and multi-parameter sensor. <i>Optics and Laser Technology</i> , 2022, 149, 107853.	4.6	1
2	A detailed theoretical investigation to unravel the molecular mechanism of the ligand-free copper-catalyzed Suzuki cross-coupling reaction. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	1
3	Rapid Computational Approach Towards Designing Singlet-Fission Chromophores by Tuning the Diradical Character of Heteroatom-Doped Polycyclic Aromatic Hydrocarbons Using the Atom-Specific Fukui Function. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1579-1590.	2.5	3
4	Unravelling the mechanism of cobalt (II) catalyzed O-arylation reaction between aryl halides and phenols: A DFT study. <i>Journal of Organometallic Chemistry</i> , 2022, 972, 122385.	1.8	1
5	Electronic structure and luminescence characteristics of rare earth free self-activated Ca <sub>2</sub> Sb <sub>2</sub> O <sub>7</sub> blue emitting phosphor. <i>Current Applied Physics</i> , 2022, 39, 272-282.	2.4	5
6	Theoretical investigation into the mechanism of copper-catalyzed Sonogashira coupling using trans-1,2-diamino cyclohexane ligand. <i>Polyhedron</i> , 2021, 193, 114869.	2.2	10
7	A Tunable Plasmonic Refractive Index Sensor with Ultrabroad Sensing Range for Cancer Detection. <i>Plasmonics</i> , 2021, 16, 1705-1717.	3.4	11
8	Modelling and synthesis of solution processable dibenzothiophene derivative for organic electronics. <i>Materials Today: Proceedings</i> , 2020, 33, 1288-1292.	1.8	0
9	Solvent dependent ESI-collisionally induced dissociation of protonated nitenpyram. <i>International Journal of Mass Spectrometry</i> , 2019, 445, 116207.	1.5	3
10	Theoretical Probing of Weak Anion-Cation Interactions in Certain Pyridinium-Based Ionic Liquid Ion Pairs and the Application of Molecular Electrostatic Potential in Their Ionic Crystal Density Determination: A Comparative Study Using Density Functional Approach. <i>Journal of Physical Chemistry A</i> , 2018, 122, 328-340.	2.5	26
11	Paramagnetic ionic liquids for advanced applications: A review. <i>Journal of Molecular Liquids</i> , 2016, 218, 319-331.	4.9	84
12	Donor-Bridge-Acceptor Proton Transfer in Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3200-3205.	4.6	13
13	Efficiency of Noncoherent Photon Upconversion by Triplet-Triplet Annihilation: The C60 Plus Anthanthrene System and the Importance of Tuning the Triplet Energies. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5419-5427.	2.5	28
14	Moderately Strong Phenols Dissociate by Forming an Ion-Pair Kinetic Intermediate. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13976-13987.	2.5	4
15	Concerted and Sequential Proton Transfer Mechanisms in Water-Separated Acid-Base Encounter Pairs. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2633-2637.	4.6	11
16	Determination of oxygen permeabilities in thin polymer films using quenching of upconverted fluorescence in porphyrins. <i>Canadian Journal of Chemistry</i> , 2011, 89, 195-202.	1.1	2
17	Photophysics of Untethered ZnTPP-Fullerene Complexes in Solution. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12217-12227.	2.5	34
18	On the Formation of Proton-Shared and Contact Ion Pair Forms during the Dissociation of Moderately Strong Acids: An Ab Initio Molecular Dynamics Investigation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8147-8155.	2.6	11

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19	Toward Understanding the Dissociation of Weak Acids in Water: 1. Using IR Spectroscopy to Identify Proton-Shared Hydrogen-Bonded Ion-Pair Intermediates. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4152-4160.	2.6	20
20	Mechanisms of Low-Power Noncoherent Photon Upconversion in Metalloporphyrin/Organic Blue Emitter Systems in Solution. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8548-8556.	2.5	75
21	Spectral Signatures and Molecular Origin of Acid Dissociation Intermediates. <i>Journal of the American Chemical Society</i> , 2008, 130, 5901-5907.	13.7	26