

# Marimuthu Venkatesh Perumal

## List of Publications by Year in descending order

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27  
papers

556  
citations

623734

14  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysical and theoretical investigations of diarylimidazole derivative with application as a fluorescence sensor for Fe(III). <i>Journal of Molecular Structure</i> , 2021, 1224, 129185.	3.6	4
2	Electronic properties of phenanthrimidazoles as hole transport materials in organic light emitting devices and in photoelectron transfer to ZnO nanoparticles. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 386-406.	1.9	10
3	Photophysical and computational studies of novel heterocyclic imidazole derivatives containing trifluoromethyl group substituent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 497-504.	3.9	5
4	Antioxidant potential and antimicrobial screening of some novel imidazole derivatives: greenway efficient one pot synthesis. <i>Medicinal Chemistry Research</i> , 2012, 21, 1850-1860.	2.4	11
5	Physicochemical and solvatochromic analysis of an imidazole derivative as NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 85, 31-37.	3.9	14
6	Optical properties of organic nonlinear optical crystal—A combined experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 69-75.	3.9	10
7	Light-emitting materials from cyclometalated heteroleptic iridium(III) complexes—A physicochemical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 119-125.	3.9	2
8	Synthesis, spectral studies and solvatochromic analysis of novel imidazole derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 194-200.	3.9	2
9	Fluorescence spectral studies of some imidazole derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 125-130.	3.9	18
10	Photophysical studies of fused phenanthrimidazole derivatives as versatile $\pi$ -conjugated systems for potential NLO applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 113-121.	3.9	18
11	Characterization, photophysical and DFT calculation study on 2-(2,4-difluorophenyl)-1-(4-methoxyphenyl)-1H-imidazo[4,5-f][1,10]phenanthroline ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 614-621.	3.9	24
12	Studies on interaction between an imidazole derivative and bovine serum by spectral methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 622-626.	3.9	9
13	A study on the binding interaction between the imidazole derivative and bovine serum albumin by fluorescence spectroscopy. <i>Journal of Luminescence</i> , 2012, 132, 707-712.	3.1	58
14	Solvatochromic Studies of Fluorescent Azo Dyes: Kamlet-Taft ( $\rho^*$ , $\rho_{\pm}$ and $\rho^2$ ) and Catalan (Spp, SA and SB) Solvent Scales Approach. <i>Journal of Fluorescence</i> , 2012, 22, 213-221.	2.5	14
15	Synthesis, Crystal Structure, Kamlet-Taft and Catalan Solvatochromic Analysis of Novel Imidazole Derivatives. <i>Journal of Fluorescence</i> , 2012, 22, 409-417.	2.5	13
16	A physicochemical study of azo dyes: DFT based ESIPT process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 200-206.	3.9	34
17	Binding interaction of bioactive imidazole with bovine serum albumin—A mechanistic investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 587-591.	3.9	11
18	Luminescent study on the binding interaction of bioactive imidazole with bovine serum albumin—A static quenching mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 84, 233-237.	3.9	27

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19	Evidence for Strong Mixing Between the LC and MLCT Excited States in Some Heteroleptic Iridium (III) Complexes. <i>Journal of Fluorescence</i> , 2011, 21, 1585-1597.	2.5	16
20	An Intramolecular Charge Transfer Fluorescent Probe: Synthesis, Structure and Selective Fluorescent Sensing of Cu <sup>2+</sup> . <i>Journal of Fluorescence</i> , 2011, 21, 1813-1823.	2.5	31
21	Displacement Reaction Using Ibuprofen in a Mixture of Bioactive Imidazole Derivative and Bovine Serum Albumin—A Fluorescence Quenching Study. <i>Journal of Fluorescence</i> , 2011, 21, 1825-1830.	2.5	8
22	Physicochemical studies of molecular hyperpolarizability of imidazole derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 137-147.	3.9	32
23	Fluorescence resonance energy transfer from a bio-active imidazole derivative 2-(1-phenyl-1H-imidazo[4,5-f][1,10]phenanthrolin-2-yl)phenol to a bioactive indoloquinolizine system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 236-244.	3.9	53
24	A physicochemical study of excited state intramolecular proton transfer process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 6-16.	3.9	57
25	Physicochemical studies of green phosphorescent light-emitting materials from cyclometalated heteroleptic iridium(III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 338-347.	3.9	9
26	Mechanistic investigation on binding interaction of bioactive imidazole with protein bovine serum albumin—A biophysical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 502-507.	3.9	42
27	Spectrofluorometric studies on the binding interaction of bioactive imidazole with bovine serum albumin: A DFT based ESIPT process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1240-1246.	3.9	24