

# Vikas S Patil

## List of Publications by Citations

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36  
papers

760  
citations

16  
h-index

27  
g-index

42  
ext. papers

854  
ext. citations

2.9  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
36	Synthesis of new ESIPT-fluorescein: photophysics of pH sensitivity and fluorescence. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 536-45	2.8	68
35	The synthesis and photo-physical properties of extended styryl fluorescent derivatives of N-ethyl carbazole. <i>Dyes and Pigments</i> , <b>2011</b> , 88, 378-384	4.6	60
34	Synthesis and photo-physical characteristics of ESIPT inspired 2-substituted benzimidazole, benzoxazole and benzothiazole fluorescent derivatives. <i>Journal of Fluorescence</i> , <b>2012</b> , 22, 311-22	2.4	57
33	Synthesis and antimicrobial activity of novel 2-substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, S1125-S1130	5.9	49
32	Indion 190 resin: efficient, environmentally friendly, and reusable catalyst for synthesis of benzimidazoles, benzoxazoles, and benzothiazoles. <i>Green Chemistry Letters and Reviews</i> , <b>2012</b> , 5, 139-145	4.7	44
31	Hybrid nanostructured coatings for corrosion protection of base metals: a sustainability perspective. <i>Materials Research Express</i> , <b>2015</b> , 2, 032001	1.7	41
30	Synthesis, photo-physical and DFT studies of ESIPT inspired novel 2-(2-(4-hydroxyphenyl)benzimidazole, benzoxazole and benzothiazole. <i>Journal of Fluorescence</i> , <b>2013</b> , 23, 1019-29	2.4	39
29	ESIPT inspired fluorescent 2-(4-benzo[d]oxazol-2-yl)naphtho[1,2-d]oxazol-2-ylphenol: experimental and DFT based approach to photophysical properties. <i>Tetrahedron</i> , <b>2013</b> , 69, 1767-1777	2.4	38
28	Graphene oxide and functionalized multi walled carbon nanotubes as epoxy curing agents: a novel synthetic approach to nanocomposites containing active nanostructured fillers. <i>RSC Advances</i> , <b>2014</b> , 4, 49264-49272	3.7	37
27	ESIPT-inspired benzothiazole fluorescein: Photophysics of microenvironment pH and viscosity. <i>Dyes and Pigments</i> , <b>2013</b> , 98, 507-517	4.6	35
26	Phosphomolybdic Acid: An Efficient and Recyclable Solid Acid Catalyst for the Synthesis of 4,4'-(Arylmethylene)bis(1H-pyrazol-5-ols). <i>Synthetic Communications</i> , <b>2012</b> , 42, 1349-1358	1.7	33
25	Synthesis and characterization of novel yellow azo dyes from 2-morpholin-4-yl-1,3-thiazol-4(5H)-one and study of their azo-hydrazone tautomerism. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 291-298	4.6	32
24	Efficient Synthesis of 3-Substituted 1,2,4-Triazolo[4,3-a]pyridine by [Bis(Trifluoroacetoxy)iodo]benzene-Catalyzed Oxidative Intramolecular Cyclization of Heterocyclic Hydrazones. <i>Synthetic Communications</i> , <b>2011</b> , 41, 925-938	1.7	24
23	TDDFT investigation of the electronic structures and photophysical properties of fluorescent extended styryl push-pull chromophores containing carbazole unit. <i>Journal of Fluorescence</i> , <b>2013</b> , 23, 1121-38	2.4	21
22	Synthesis, optical properties, dyeing study of dihydropyrimidones (DHPMs) skeleton: Green and regioselectivity of novel Biginelli scaffold from Lawsone. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 2349-2358	2	21
21	Synthesis of novel dipodal-benzimidazole, benzoxazole and benzothiazole from cyanuric chloride: Structural, photophysical and antimicrobial studies. <i>Journal of Saudi Chemical Society</i> , <b>2014</b> , 18, 262-268	4.3	17
20	Synthesis, photophysical property study of novel fluorescent 4-(1,3-benzoxazol-2-yl)-2-phenylnaphtho[1,2-d][1,3]oxazole derivatives and their antimicrobial activity. <i>Journal of Chemical Sciences</i> , <b>2013</b> , 125, 141-151	1.8	15

19	Synthesis and photo-physical properties of fluorescent 1,3,5-triazine styryl derivatives. <i>Chemistry Central Journal</i> , <b>2011</b> , 5, 77		15
18	2-Methyl-4-oxo-N-(4-oxo-2-phenyl substituted-1,3-thiazolidin-3-yl)-3,4-dihydroquinazoline-5-carboxamides--a new range of fluorescent whiteners: synthesis and photophysical characterization. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1277-1284	2.4	13
17	Synthesis, Characterization, and Antibacterial Activity of Novel (1H-Benzo[d]imidazole-2-yl)-6-(diethylamino)-3H-one-xanthene, Phenoxazine, and Oxazine. <i>Journal of Heterocyclic Chemistry</i> , <b>2015</b> , 52, 124-129	1.9	12
16	Intrinsic catalytic activity of an acidic ionic liquid as a solvent for quinazoline synthesis. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1681	5.5	11
15	Environment-sensitive benzoxazole based fluorescein derivatives: Synthesis and application to the design of ON/OFF fluorescent chemosensors for microenvironment. <i>Journal of Luminescence</i> , <b>2015</b> , 158, 243-251	3.8	10
14	Intrinsic catalytic activity of Brønsted acid ionic liquids for the synthesis of triphenylmethane and phthalein under microwave irradiation. <i>RSC Advances</i> , <b>2012</b> , 2, 12112	3.7	10
13	Synthesis of nanodispersible 6-aryl-2,4-diamino-1,3,5-triazine and its derivatives. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2010</b> , 170, 77-87	3.1	9
12	Synthesis and Antimicrobial Activities of Novel 2-[substituted-1H-pyrazol-4-yl] Benzothiazoles, Benzoxazoles, and Benzimidazoles. <i>Journal of Heterocyclic Chemistry</i> , <b>2016</b> , 53, 1347-1355	1.9	9
11	A novel screening method for potential naringinase-producing microorganisms. <i>Biotechnology and Applied Biochemistry</i> , <b>2019</b> , 66, 323-327	2.8	8
10	Synthesis and characterization of novel 2, 2Zbipyrimidine fluorescent derivative for protein binding. <i>Chemistry Central Journal</i> , <b>2011</b> , 5, 72		5
9	Synthesis, photophysical, solvatochromic and DFT studies of (Z)-2-(2-Phenyl-4H-benzo[4,5]thiazolo[3,2-a]pyrimidin-4-ylidene)acetonitrile derivatives. <i>Journal of Luminescence</i> , <b>2019</b> , 210, 303-310	3.8	5
8	Production and characterization of multifacet exopolysaccharide from an agricultural isolate, <i>Bacillus subtilis</i> . <i>Biotechnology and Applied Biochemistry</i> , <b>2019</b> , 66, 1010-1023	2.8	4
7	Novel ESIPT Fluorescein: Sensor for Blood and Viscosity. <i>BioNanoScience</i> , <b>2012</b> , 2, 259-265	3.4	4
6	Fabrication of Paper Sensor for Rapid Screening of Nanomaterial Synthesizing Potential of Plants. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 737-742	3	4
5	Synthesis of novel fluorescent 1,3,5-trisubstituted triazine derivatives and photophysical property evaluation of fluorophores and their BSA conjugates. <i>Heterocyclic Communications</i> , <b>2012</b> , 18,	1.7	3
4	New Age Agricultural Bioinputs <b>2019</b> , 353-380		2
3	Synthesis of 2-methyl-5-(5-phenyl substituted-1,3,4 oxadiazole-2-yl) quinazolin-4-one fluorescent brightening agent: Computational and experimental comparison of photophysical structure. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1182, 150-157	3.4	2
2	Molecular properties of 5-(1H-Benzo[D]Oxa, thia, imidazole-2-yl)-2-methyl quinazolin-4-ol fluorescent brighteners: Theoretical and experimental approach. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1199, 126984	3.4	2

- 1 Base Promoted Synthesis of  
2-((5-methoxynaphthalen-1-yl)methyl)-3-methyl-5-sec-amino-[1,1'-biphenyl]-4-carbonitrile derivatives: 3,4 1  
Photophysical, Solvatochromic and DFT studies. *Journal of Molecular Structure*, **2021**, 1226, 129339