

# Vikas S Patil

## List of Publications by Year in descending order

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39  
papers

943  
citations

471371

17  
h-index

454834

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of New ESIPT-Fluorescein: Photophysics of pH Sensitivity and Fluorescence. <i>Journal of Physical Chemistry A</i> , 2012, 116, 536-545.	1.1	74
2	Synthesis and antimicrobial activity of novel 2-substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1125-S1130.	2.3	71
3	The synthesis and photo-physical properties of extended styryl fluorescent derivatives of N-ethyl carbazole. <i>Dyes and Pigments</i> , 2011, 88, 378-384.	2.0	64
4	Hybrid nanostructured coatings for corrosion protection of base metals: a sustainability perspective. <i>Materials Research Express</i> , 2015, 2, 032001.	0.8	62
5	Synthesis and Photo-Physical Characteristics of ESIPT Inspired 2-Substituted Benzimidazole, Benzoxazole and Benzothiazole Fluorescent Derivatives. <i>Journal of Fluorescence</i> , 2012, 22, 311-322.	1.3	59
6	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> , 2014, 4, 49264-49272.	1.7	51
7	Indion 190 resin: efficient, environmentally friendly, and reusable catalyst for synthesis of benzimidazoles, benzoxazoles, and benzothiazoles. <i>Green Chemistry Letters and Reviews</i> , 2012, 5, 139-145.	2.1	49
8	Synthesis, Photo-physical and DFT Studies of ESIPT Inspired Novel 2-(2,4-Dihydroxyphenyl) Benzimidazole, Benzoxazole and Benzothiazole. <i>Journal of Fluorescence</i> , 2013, 23, 1019-1029.	1.3	44
9	ESIPT-inspired benzothiazole fluorescein: Photophysics of microenvironment pH and viscosity. <i>Dyes and Pigments</i> , 2013, 98, 507-517.	2.0	42
10	DFT based approach to photophysical properties. <i>Tetrahedron</i> , 2013, 69, 1767-1777.	1.0	41
11	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> , 2012, 42, 1349-1358.	1.1	38
12	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> , 2013, 99, 291-298.	2.0	37
13	Synthesis, optical properties, dyeing study of dihydropyrimidones (DHPMs) skeleton: Green and regioselectivity of novel Biginelli scaffold from Lawsone. <i>Fibers and Polymers</i> , 2015, 16, 2349-2358.	1.1	33
14	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> , 2011, 41, 925-938.	1.1	31
15	TDDFT Investigation of the Electronic Structures and Photophysical Properties of Fluorescent Extended Styryl Push-Pull Chromophores Containing Carbazole Unit. <i>Journal of Fluorescence</i> , 2013, 23, 1121-1138.	1.3	22
16	Synthesis of novel dipodal-benzimidazole, benzoxazole and benzothiazole from cyanuric chloride: Structural, photophysical and antimicrobial studies. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 262-268.	2.4	22
17	Synthesis and photo-physical properties of fluorescent 1,3,5-triazine styryl derivatives. <i>Chemistry Central Journal</i> , 2011, 5, 77.	2.6	18
18	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> , 2013, 125, 141-151.	0.7	16

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19	2-Methyl-4-oxo-N-(4-oxo-2-phenyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (substituted-1,3-thiazolidin-3-yl)-3,4-dihydroquinolin-2(1H)-one. Journal of Fluorescence, 2014, 24, 1077-1086.	1.3	16
20	Synthesis, Characterization, and Antibacterial Activity of Novel (1H-2,4-dihydro-1,2,4-triazol-3-yl)(diethylamino)quinazolin-4(1H)-one, Phenoxazine, and Oxazine. Journal of Heterocyclic Chemistry, 2015, 52, 124-129.	1.4	16
21	A novel screening method for potential naringinase-producing microorganisms. Biotechnology and Applied Biochemistry, 2019, 66, 323-327.	1.4	16
22	Environment-sensitive benzoxazole based fluorescein derivatives: Synthesis and application to the design of ON/OFF fluorescent chemosensors for microenvironment. Journal of Luminescence, 2015, 158, 243-251.	1.5	15
23	Intrinsic catalytic activity of an acidic ionic liquid as a solvent for quinazoline synthesis. Catalysis Science and Technology, 2012, 2, 1681.	2.1	14
24	Synthesis of nanodispersible 6-aryl-2,4-diamino-1,3,5-triazine and its derivatives. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 170, 77-87.	1.7	13
25	Intrinsic catalytic activity of Brønsted acid ionic liquids for the synthesis of triphenylmethane and phthalein under microwave irradiation. RSC Advances, 2012, 2, 12112.	1.7	13
26	Synthesis and Antimicrobial Activities of Novel {substituted} H-pyrazolyl Benzothiazoles, Benzoxazoles, and Benzimidazoles. Journal of Heterocyclic Chemistry, 2016, 53, 1347-1355.	1.4	10
27	Production and characterization of multifacet exopolysaccharide from an agricultural isolate, <i>Bacillus subtilis</i> . Biotechnology and Applied Biochemistry, 2019, 66, 1010-1023.	1.4	8
28	Synthesis, photophysical, solvatochromic and DFT studies of (Z)-2-(2-Phenyl-4H-benzo[4,5]thiazolo[3,2-a]pyrimidin-4-ylidene)acetonitrile derivatives. Journal of Luminescence, 2019, 210, 303-310.	1.5	8
29	Synthesis and characterization of novel 2, 2'-bipyrimidine fluorescent derivative for protein binding. Chemistry Central Journal, 2011, 5, 72.	2.6	7
30	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. Journal of Molecular Structure, 2019, 1182, 150-157.	1.8	5
31	Molecular properties of 5-(1H-Benzo[D]Oxa, thia, imidazole-2-yl)-2-methyl quinazolin-4-ol fluorescent brighteners: Theoretical and experimental approach. Journal of Molecular Structure, 2020, 1199, 126984.	1.8	5
32	New Age Agricultural Bioinputs. , 2019, , 353-380.		5
33	Novel ES IPT Fluorescein: Sensor for Blood and Viscosity. BioNanoScience, 2012, 2, 259-265.	1.5	4
34	Fabrication of Paper Sensor for Rapid Screening of Nanomaterial Synthesizing Potential of Plants. Journal of Cluster Science, 2018, 29, 737-742.	1.7	4
35	Synthesis of novel fluorescent 1,3,5-trisubstituted triazine derivatives and photophysical property evaluation of fluorophores and their BSA conjugates. Heterocyclic Communications, 2012, 18, .	0.6	3
36	Base Promoted Synthesis of 2-((5-methoxynaphthalen-1-yl)methyl)-3-methyl-5-sec-amino-[1,1'-biphenyl]-4-carbonitrile derivatives: Photophysical, Solvatochromic and DFT studies. Journal of Molecular Structure, 2021, 1226, 129339.	1.8	3

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37	Nano-dispersible azo pigments from lignin: a new synthetic approach and epoxy-polyamine composite coating. <i>Pigment and Resin Technology</i> , 2023, 52, 400-412.	0.5	3
38	Newer viologen: Synthesis, characterization, solvatochromic, photophysical, and DFT studies. <i>Materials Today: Proceedings</i> , 2022, 64, 308-314.	0.9	1
39	A Novel Synthetic Approach of Functionalised GO and CNT to Nanocomposite Containing Active Nanostructured Fillers for Classical Isocyanate Curing. , 2021, 8, .		0