

# Daizy Philip

## List of Publications by Year in Descending Order

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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.

100  
papers

7,572  
citations

47  
h-index

86  
g-index

102  
ext. papers

8,373  
ext. citations

3.9  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
100	Synthesis of CeO <sub>2</sub> nanostructures with its exceptional biological and chemocatalytic activities: a comparative study. <i>Bulletin of Materials Science</i> , <b>2021</b> , 44, 1	1.7	0
99	Synthesis of nanostructured CeO <sub>2</sub> by chemical and biogenic methods: Optical properties and bioactivity. <i>Ceramics International</i> , <b>2020</b> , 46, 14048-14055	5.1	12
98	Tannic acid mediated synthesis of nanostructured NiO and SnO <sub>2</sub> for catalytic degradation of methylene blue. <i>Optical and Quantum Electronics</i> , <b>2020</b> , 52, 1	2.4	9
97	Facile synthesis of SnO <sub>2</sub> /NiO nano-composites: Structural, magnetic and catalytic properties. <i>Ceramics International</i> , <b>2020</b> , 46, 786-794	5.1	18
96	Optical, magnetic, electrical, and chemo-catalytic properties of bio-synthesized CuO/NiO nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 136, 109155	3.9	24
95	Simulation studies on the responses of ZnO-CuO/CNT nanocomposite based SAW sensor to various volatile organic chemicals. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2019</b> , 4, 125-131	4.2	15
94	Green synthesis of CeO <sub>2</sub> nanostructures by using Morus nigra fruit extract and its antidiabetic activity <b>2019</b> ,		3
93	Catalytic and cytotoxic activity of PEG capped gadolinium oxide nanoparticles <b>2019</b> ,		1
92	Biogenic synthesis of nanostructured Gd <sub>2</sub> O <sub>3</sub> : Structural, optical and bioactive properties. <i>Ceramics International</i> , <b>2019</b> , 45, 21947-21952	5.1	7
91	Nanostructured copper (II) oxide and its novel reduction to stable copper nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 124, 250-260	3.9	13
90	Size tunable biosynthesis and luminescence quenching of nanostructured hematite (Fe <sub>2</sub> O <sub>3</sub> ) for catalytic degradation of organic pollutants. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 124, 221-234	3.9	43
89	Dye sensitized solar cells using catalytically active CuO-ZnO nanocomposite synthesized by single step method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 200, 116-126	4.4	38
88	Influence of transition metal ion Ni <sup>2+</sup> on optical, electrical, magnetic and antibacterial properties of phyto-synthesized CuO nanostructure. <i>Optical and Quantum Electronics</i> , <b>2018</b> , 50, 1	2.4	11
87	Effect of Ni <sup>2+</sup> doping on chemocatalytic and supercapacitor performance of biosynthesized nanostructured CuO. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 21180-21193	2.1	18
86	Studies on bandgap tuning of visible light active heterojunction CuO/ZnO nanocomposites for DSSC application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 21002-21013	2.1	7
85	Elettaria cardamomum seed mediated rapid synthesis of gold nanoparticles and its biological activities. <i>OpenNano</i> , <b>2017</b> , 2, 1-8	8.4	55
84	Biosynthesis of hematite (Fe <sub>2</sub> O <sub>3</sub> ) nanostructures: Size effects on applications in thermal conductivity, catalysis, and antibacterial activity. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 242, 537-549	6	49

83	Nanostructured ZnO with bio-capping for nanofluid and natural dye based solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16527-16539	2.1	8
82	Studies on catalytic degradation of organic pollutants and anti-bacterial property using biosynthesized CuO nanostructures. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 242, 690-700	6	50
81	Microwave-assisted rapid synthesis of copper nanoparticles with exceptional stability and their multifaceted applications. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 221, 1008-1021	6	75
80	Essential oil mediated synthesis of silver nanocrystals for environmental, anti-microbial and antioxidant applications. <i>Materials Science and Engineering C</i> , <b>2016</b> , 61, 429-36	8.3	38
79	Facile one-pot synthesis of crystalline palladium nanoparticles with exceptional catalytic and antiradical activities. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 170, 1-11	4.4	16
78	Biosynthesis of Au and Au/Ag alloy nanoparticles using <i>Coleus aromaticus</i> essential oil and evaluation of their catalytic, antibacterial and antiradical activities. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 221, 179-189	6	49
77	Synthesis of biogenic hematite ( $\text{Fe}_2\text{O}_3$ ) nanoparticles for antibacterial and nanofluid applications. <i>RSC Advances</i> , <b>2016</b> , 6, 94206-94217	3.7	137
76	Studies on catalytic, antioxidant, antibacterial and anticancer activities of biogenic gold nanoparticles. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 331-339	6	84
75	Synthesis of biogenic SnO <sub>2</sub> nanoparticles and evaluation of thermal, rheological, antibacterial and antioxidant activities. <i>Powder Technology</i> , <b>2015</b> , 270, 312-319	5.2	57
74	Biogenic synthesis of SnO <sub>2</sub> nanoparticles: evaluation of antibacterial and antioxidant activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 134, 372-9	4.4	98
73	Degradation of environment pollutant dyes using phytosynthesized metal nanocatalysts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 135, 632-8	4.4	52
72	Green synthesis and applications of Au-Ag bimetallic nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 185-92	4.4	180
71	Catalytic and antioxidant properties of biogenic silver nanoparticles synthesized using <i>Areca catechu</i> nut. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 207, 231-236	6	66
70	Phytosynthesis and applications of bioactive SnO <sub>2</sub> nanoparticles. <i>Materials Characterization</i> , <b>2015</b> , 101, 97-105	3.9	32
69	Catalytic degradation of methylene blue using biosynthesized gold and silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 118, 526-32	4.4	195
68	Shape tailored green synthesis and catalytic properties of gold nanocrystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 118, 793-9	4.4	55
67	Catalytic degradation of organic dyes using biosynthesized silver nanoparticles. <i>Micron</i> , <b>2014</b> , 56, 54-62	2.3	317
66	Catalytically and biologically active silver nanoparticles synthesized using essential oil. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 132, 743-50	4.4	48

65	Phytochemical-capped biogenic gold nanocrystals with chemocatalytic and radical scavenging potential. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 200, 390-397	6	7
64	Spectroscopic, microscopic and catalytic properties of silver nanoparticles synthesized using <i>Saraca indica</i> flower. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 117, 102-8	4.4	97
63	Synthesis of platinum nanoparticles using dried <i>Anacardium occidentale</i> leaf and its catalytic and thermal applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 114, 267-71	4.4	70
62	Facile one-pot synthesis of gold and silver nanocatalysts using edible coconut oil. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 111, 154-60	4.4	54
61	Synthesis of monodispersed palladium nanoparticles using tannic acid and its optical non-linearity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 103, 130-3	4.4	51
60	Green synthesis of well-dispersed gold nanoparticles using <i>Macrotyloma uniflorum</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 85, 99-104	4.4	136
59	Rapid green synthesis of palladium nanoparticles using the dried leaf of <i>Anacardium occidentale</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 91, 35-8	4.4	91
58	Green synthesis of gold nanoparticles using <i>Trigonella foenum-graecum</i> and its size-dependent catalytic activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 97, 1-5	4.4	315
57	Synthesis characterization and catalytic action of hexagonal gold nanoparticles using essential oils extracted from <i>Anacardium occidentale</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 97, 306-10	4.4	55
56	<i>Benincasa hispida</i> seed mediated green synthesis of gold nanoparticles and its optical nonlinearity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2012</b> , 44, 1329-1334	3	54
55	Facile one-pot synthesis of gold nanoparticles using tannic acid and its application in catalysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2012</b> , 44, 1692-1696	3	88
54	Characterization and catalytic activity of gold nanoparticles synthesized using ayurvedic arishtams. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 96, 1025-30	4.4	60
53	Green synthesis of silver nanoparticles using <i>Macrotyloma uniflorum</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 83, 392-7	4.4	142
52	Phytosynthesis of Au, Ag and Au-Ag bimetallic nanoparticles using aqueous extract and dried leaf of <i>Anacardium occidentale</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 79, 254-62	4.4	284
51	Spectroscopic investigations and computational study of sulfur trioxide-pyridine complex. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 1812-1819	2.3	8
50	<i>Mangifera indica</i> leaf-assisted biosynthesis of well-dispersed silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 78, 327-31	4.4	219
49	<i>Murraya Koenigii</i> leaf-assisted rapid green synthesis of silver and gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 78, 899-904	4.4	302
48	Extracellular biosynthesis of gold and silver nanoparticles using Krishna tulsi ( <i>Ocimum sanctum</i> ) leaf. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2011</b> , 43, 1318-1322	3	190

47	Vibrational spectroscopic studies and ab initio calculations of phenyl phosphate disodium salt. <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 113-119	2.3	17
46	Honey mediated green synthesis of silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2010</b> , 75, 1078-81	4.4	156
45	Rapid green synthesis of spherical gold nanoparticles using <i>Mangifera indica</i> leaf. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2010</b> , 77, 807-10	4.4	206
44	Green synthesis of gold and silver nanoparticles using <i>Hibiscus rosa sinensis</i> . <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2010</b> , 42, 1417-1424	3	467
43	Studies on optical absorption and photoluminescence of thioglycerol-stabilized ZnS nanoparticles. <i>Optical Materials</i> , <b>2009</b> , 32, 169-175	3.3	41
42	Optical properties of citrate-stabilized CdS nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2009</b> , 41, 1727-1731	3	20
41	Aqueous synthesis and characterization of CdS, CdS:Zn(2+) and CdS:Cu(2+) quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 72, 827-32	4.4	62
40	Biosynthesis of Au, Ag and Au-Ag nanoparticles using edible mushroom extract. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 73, 374-81	4.4	589
39	Honey mediated green synthesis of gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 73, 650-3	4.4	199
38	Green synthesis of gold nanoparticles using <i>Cinnamomum zeylanicum</i> leaf broth. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 74, 735-9	4.4	257
37	Synthesis, characterization and SERS activity of Au-Ag nanorods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 70, 780-4	4.4	38
36	Synthesis and spectroscopic characterization of gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 71, 80-5	4.4	123
35	Studies on surface plasmon resonance and photoluminescence of silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 71, 186-90	4.4	288
34	Studies on optical absorption and photoluminescence of thioglycerol-stabilized CdS quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 71, 1402-7	4.4	46
33	IR, Raman and SERS spectra of 5-sulphosalicylic acid dihydrate. <i>Journal of Raman Spectroscopy</i> , <b>2007</b> , 38, 309-315	2.3	35
32	IR, Raman and SERS spectra of 3,5-dinitrosalicylic acid. <i>Journal of Raman Spectroscopy</i> , <b>2007</b> , 38, 323-331	2.3	15
31	IR, Raman and SERS studies of methyl salicylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 66, 959-63	4.4	47
30	Vibrational spectroscopic studies and ab initio calculations of 5-methyl-2-(p-fluorophenyl)benzoxazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 67, 744-9	4.4	61

29	Vibrational spectroscopic studies and ab initio calculations of 2-cyanophenylisocyanid dichloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 67, 1055-9	4.4	32
28	Raman, IR and SERS spectra of methyl(2-methyl-4,6-dinitrophenylsulfanyl)ethanoate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 67, 1313-20	4.4	60
27	IR, Raman and SERS spectra of disodium terephthalate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 68, 817-22	4.4	28
26	Potential dependent SERS profile of sulfanilamide on silver electrode. <i>Journal of Raman Spectroscopy</i> , <b>2006</b> , 37, 487-491	2.3	21
25	Potential dependent SERS profile of sulfanilic acid on silver electrode. <i>Journal of Raman Spectroscopy</i> , <b>2006</b> , 37, 853-857	2.3	17
24	Potential-dependent SERS profile of orthanilic acid on silver electrode. <i>Journal of Raman Spectroscopy</i> , <b>2006</b> , 37, 1265-1271	2.3	15
23	FT-IR, FT-Raman and SERS spectra of pyridine-3-sulfonic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2006</b> , 64, 744-7	4.4	53
22	Vibrational spectroscopic studies and ab initio calculations of sulfanilamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2006</b> , 65, 155-8	4.4	27
21	FT-IR, FT-Raman and SERS spectra of Vitamin C. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2006</b> , 65, 802-4	4.4	130
20	FT-IR, FT-Raman and FT-SERS spectra of 4-aminosalicylic acid sodium salt dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2002</b> , 58, 281-7	4.4	58
19	Vibrational spectra of melamine diborate, C <sub>3</sub> N <sub>6</sub> H <sub>6</sub> B <sub>2</sub> O <sub>3</sub> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2002</b> , 58, 1545-51	4.4	20
18	Vibrational analysis of Ag <sub>3</sub> (PO <sub>2</sub> NH) <sub>3</sub> , Na <sub>3</sub> (PO <sub>2</sub> NH) <sub>3</sub> × H <sub>2</sub> O, Na <sub>3</sub> (PO <sub>2</sub> NH) <sub>3</sub> × 4H <sub>2</sub> O,. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2001</b> , 57A, 959-69	4.4	3
17	FT-Raman, FT-IR and surface enhanced Raman scattering spectra of sodium salicylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2001</b> , 57, 1561-6	4.4	102
16	IR and polarized Raman spectra of anilinium hydrogenphosphite, C <sub>6</sub> H <sub>5</sub> NH <sub>3</sub> <sup>+</sup> HPO <sub>3</sub> H <sup>-</sup> . <i>Journal of Raman Spectroscopy</i> , <b>2000</b> , 31, 1067-1071	2.3	16
15	IR and raman spectra of two layered aluminium phosphates Co(en) <sub>3</sub> Al <sub>3</sub> P <sub>4</sub> O <sub>16</sub> .3H <sub>2</sub> O and. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2000</b> , 56, 2715-23	4.4	13
14	Infrared, Raman, and SERS Spectra of Betaine Arsenate. <i>Spectroscopy Letters</i> , <b>1995</b> , 28, 11-28	1.1	10
13	Infrared, Polarized Raman, and SERS Spectra of Betaine Hydrogen Oxalate Monohydrate. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 114, 129-137	3.3	11
12	Vibrational and Surface Enhanced Raman Scattering Spectra of Sulfamic Acid. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 116, 217-223	3.3	45

- 11 SERS Spectra of 2-Aminophenol in Silver Colloids. *Journal of Solid State Chemistry*, **1995**, 116, 427-431 3,3 11
- 10 Infrared, Polarized Raman, and SERS Spectra of Borax. *Journal of Solid State Chemistry*, **1994**, 113, 157-162 3,3 15
- 9 Raman and IR spectra of  $\text{Te}(\text{OH})_6 \cdot \text{Na}_3\text{P}_3\text{O}_9 \cdot 6\text{H}_2\text{O}$ . *Journal of Raman Spectroscopy*, **1991**, 22, 45-46 2,3 2
- 8 Raman and IR spectra of Alanine and sarcosine monophosphates. *Journal of Raman Spectroscopy*, **1991**, 22, 423-425 2,3 19
- 7 Polarized Raman and infrared spectra of  $(\text{NH}_3)_2(\text{CH}_2)_2\text{HXO}_4$  (X =P, As). *Journal of Raman Spectroscopy*, **1990**, 21, 211-214 2,3 25
- 6 IR and single-crystal Raman spectra of  $\text{Te}(\text{OH})_6 \cdot 2\text{CO}(\text{NH}_2)_2$ . *Journal of Raman Spectroscopy*, **1990**, 21, 521-522 2,3 13
- 5 IR and polarized Raman spectra of  $\text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$ . *Journal of Raman Spectroscopy*, **1990**, 21, 523-524 2,3 32
- 4 Polarized Raman and infrared reflection spectra of  $\text{Cu}(\text{HCOO})_2 \cdot 2(\text{NH}_2)_2\text{CO} \cdot 2\text{H}_2\text{O}$ . *Journal of Solid State Chemistry*, **1990**, 88, 520-527 3,3 1
- 3 Vibrational spectra of thallium and rubidium phosphotellurates. *Journal of Raman Spectroscopy*, **1989**, 20, 637-638 2,3 9
- 2 IR and polarized Raman spectra of  $(\text{NH}_3)_2(\text{CH}_2)_2\text{HPO}_4$ . *Journal of Solid State Chemistry*, **1989**, 83, 198-201 3,3 3
- 1 Infrared and Raman spectra of aquamolybdenum (VI) oxide hydrate ( $\text{MoO}_3 \cdot 2\text{H}_2\text{O}$ ) **1988**, 30, 129-133 10