Umadevi Mahalingam

List of Publications by Year
in descending order

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137 papers	3,622 citations	159525 30 h-index	161767 54 g-index
139 all docs	139 docs citations	139 times ranked	4755 citing authors

#	Article	IF	Citations
1	Antibacterial and catalytic activities of green synthesized silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 373-378.	2.0	274
2	Synthesis of monodispersed silver nanoparticles using Hibiscus cannabinus leaf extract and its antimicrobial activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 101, 184-190.	2.0	231
3	Structural, morphological and optical properties of MgO nanoparticles for antibacterial applications. Materials Letters, 2016, 166, 19-22.	1.3	197
4	Antibacterial activities of green synthesized gold nanoparticles. Materials Letters, 2014, 120, 122-125.	1.3	159
5	Silver and gold nanoparticles for sensor and antibacterial applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 37-45.	2.0	152
6	Green synthesis and characterization of silver nanoparticles from Moringa oleifera flower and assessment of antimicrobial and sensing properties. Journal of Photochemistry and Photobiology B: Biology, 2020, 205, 111836.	1.7	146
7	Synthesis, characterization and photocatalytic activity of CuO nanoflowers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 133-137.	2.0	119
8	Antimicrobial and catalytic activities of biosynthesized gold, silver and palladium nanoparticles from Solanum nigurum leaves. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111713.	1.7	92
9	A Novel Synthesis of Malic Acid Capped Silver Nanoparticles using SolanumÂlycopersicums Fruit Extract. Journal of Materials Science and Technology, 2013, 29, 317-322.	5.6	79
10	Antibacterial and electrochemical activities of silver, gold, and palladium nanoparticles dispersed amorphous carbon composites. Applied Surface Science, 2019, 479, 96-104.	3.1	63
11	Fluorescence quenching and photocatalytic degradation of textile dyeing waste water by silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 115-121.	2.0	62
12	Nonlinear optical absorption in silver nanosol. Journal Physics D: Applied Physics, 2003, 36, 1242-1245.	1.3	60
13	Surface plasmon resonance optical sensor and antibacterial activities of biosynthesized silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 596-604.	2.0	58
14	Effect of silver nano particles on the fluorescence quantum yield of Rhodamine 6G determined using dual beam thermal lens method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 1077-1083.	2.0	56
15	Structural, morphological and optical studies of l-cysteine modified silver nanoparticles and its application as a probe for the selective colorimetric detection of Hg2+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 265-271.	2.0	56
16	Novel combustion method to prepare octahedral NiO nanoparticles and its photocatalytic activity. Materials Research Bulletin, 2013, 48, 4248-4254.	2.7	54
17	Synthesis of silver nanoparticle using D. carota extract. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 025008.	0.7	50
18	A novel combustion method to prepare CuO nanorods and its antimicrobial and photocatalytic activities. Powder Technology, 2013, 235, 783-786.	2.1	48

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19	Chemical synthesis of silver nanoparticles for solar cell applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 924-927.	0.8	47
20	Solvatochromic study of 1,2-dihydroxyanthraquinone in neat and binary solvent mixtures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 148-155.	2.0	46
21	Vibrational spectral studies of l-methionine l-methioninium perchlorate monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 2643-2651.	2.0	43
22	Evaluation of the immunomodulatory and DNA protective activities of the shoots of Cynodon dactylon. Journal of Ethnopharmacology, 2009, 123, 181-184.	2.0	41
23	Studies on Structural, Optical and Electrical Properties of ZnO Thin Films Prepared by the Spray Pyrolysis Method. International Journal of Materials Engineering, 2012, 2, 12-17.	1.0	40
24	Antibacterial activities of Hibiscus cannabinus stem-assisted silver and gold nanoparticles. Materials Letters, 2014, 131, 194-197.	1.3	38
25	Improved waste water treatment by bio-synthesized Graphene Sand Composite. Journal of Environmental Management, 2015, 162, 299-305.	3.8	37
26	Infrared and Raman spectroscopic studies of l-valine l-valinium perchlorate monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 630-636.	2.0	35
27	Multifocal osseous involvement as the sole manifestation of Rosai-Dorfman disease. Skeletal Radiology, 2005, 34, 658-664.	1.2	34
28	Photocatalytic degradation and antimicrobial applications of F-doped MWCNTs/TiO2 composites. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 290-295.	2.0	34
29	Synthesis and characterization of zinc oxide nanostructures and its assessment on enhanced bacterial inhibition and photocatalytic degradation. Journal of Photochemistry and Photobiology B: Biology, 2020, 210, 111965.	1.7	34
30	Synthesis, characterization and SERS activity of biosynthesized silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 409-415.	2.0	33
31	SERS detection of polychlorinated biphenyls using Î²-cyclodextrin functionalized gold nanoparticles on agriculture land soil. Journal of Raman Spectroscopy, 2015, 46, 377-383.	1.2	32
32	Infrared and Raman spectral studies ofL-ornithine nitrate. Journal of Raman Spectroscopy, 2003, 34, 806-812.	1.2	31
33	Antimicrobial, electrochemical and photo catalytic activities of Zn doped Fe3O4 nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 6040-6050.	1.1	30
34	Vibrational spectral studies of (?-alanine) ?-alaninium nitrate. Journal of Raman Spectroscopy, 2004, 35, 956-960.	1.2	29
35	One-Pot Fabrication and Characterization of Silver Nanoparticles Using Solanum lycopersicum: An Eco-Friendly and Potent Control Tool against Rose Aphid, Macrosiphum rosae. Journal of Nanoscience, 2016, 2016, 1-7.	2.6	28
36	Spectroscopic investigations on the orientation of 1,4-dibromonaphthalene on silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 236-241.	2.0	26

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37	Graphene boosted silver nanoparticles as surface enhanced Raman spectroscopic sensors and photocatalysts for removal of standard and industrial dye contaminants. Sensors and Actuators B: Chemical, 2019, 281, 679-688.	4.0	26
38	FT-IR and FT-Raman spectral studies of bis(L-proline) hydrogen nitrate and bis(L-proline) hydrogen perchlorate. Journal of Raman Spectroscopy, 2005, 36, 950-961.	1.2	25
39	Synergistic effects of copper and nickel bimetallic nanoparticles for enhanced bacterial inhibition. Materials Letters, 2018, 211, 82-86.	1.3	25
40	Spectral Investigations of Solvatochromism and Preferential Solvation on 1,4-Dihydroxy-2,3-Dimethyl-9,10-Anthraquinone. Journal of Fluorescence, 2008, 18, 1139-1149.	1.3	24
41	SERS investigations of 2,3-dibromo-1,4-naphthoquinone on silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 218-222.	2.0	24
42	Spectral investigations of preferential solvation and soluteâ€“solvent interactions of 1,4-dimethylamino anthraquinone in CH2Cl2/C2H5OH mixtures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 910-915.	2.0	23
43	Fluorescence Quenching of 1,4-Dihydroxy-2,3-Dimethyl-9,10-Anthraquinone by Silver Nanoparticles: Size Effect. Journal of Fluorescence, 2009, 19, 3-10.	1.3	23
44	Environmental photochemistry by plasmonic semiconductor decorated GO nanocomposites: SERS detection and visible light driven degradation of aromatic dyes. Applied Surface Science, 2019, 473, 864-872.	3.1	23
45	Spectral investigations on 2,3-bis(chloromethyl)-1,4- anthraquinone: solvent effects and hostâ€“guest interactions. Journal of Fluorescence, 2006, 16, 569-579.	1.3	22
46	Synthesis and characterization of monodispersed silver nanoparticles. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 035013.	0.7	22
47	Synthesis, characterization and photocatalytic activity of fluorine doped TiO2 nanoflakes synthesized using solid state reaction method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 365-369.	2.0	22
48	Structural and spectroscopic study of adsorption of naphthalene on silver. Journal of Molecular Structure, 2015, 1079, 155-162.	1.8	22
49	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 40, 203-206.	1.6	21
50	Spectral investigations on 2-methyl-1,4-naphthoquinone: solvent effects, host-guest interactions and SERS. Journal of Raman Spectroscopy, 2003, 34, 112-120.	1.2	21
51	Synthesis and characterization of novel LiFeBO3/C cathodes for lithium batteries. Ionics, 2012, 18, 27-30.	1.2	21
52	Application of G-SERS for the efficient detection of toxic dye contaminants in textile effluents using gold/graphene oxide substrates. Journal of Molecular Liquids, 2019, 273, 203-214.	2.3	21
53	Green Synthesized Gold Nanoparticles as a Probe for the Detection of Fe3+ Ions in Water. Journal of Cluster Science, 2014, 25, 969-978.	1.7	20
54	Structural, morphological and optical properties of chelating ligand passivated ZnSe nanorods. Materials Letters, 2013, 108, 5-8.	1.3	19

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55	Synthesis and Characterization of Silverâ€“PVA Nanocomposite for Sensor and Antibacterial Applications. Journal of Cluster Science, 2014, 25, 639-650.	1.7	19
56	Infrared and Raman spectroscopic studies ofL-methioninium nitrate. Journal of Raman Spectroscopy, 2004, 35, 907-913.	1.2	18
57	Influence of Silver Nanoparticles on 2,3-Bis(Chloromethyl)Anthracene-1,4,9,10-Tetraone. Journal of Fluorescence, 2010, 20, 153-161.	1.3	18
58	Built-in Electric Field Assisted Photocatalytic Dye Degradation and Photoelectrochemical Water Splitting of Ferroelectric Ce Doped BaTiO₃ Nanoassemblies. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	18
59	Solvatochromism, Preferential Solvation of 2,3-Bis(Chloromethyl)-1,4-Anthraquinone in Binary Mixtures and the Molecular Recognition Towards p-Tert-Butyl-Calix[4]arene. Journal of Fluorescence, 2007, 17, 528-539.	1.3	17
60	Enhanced photocatalytic, antimicrobial activity and photovoltaic characteristics of fluorine doped TiO2 synthesized under ultrasound irradiation. Journal of Fluorine Chemistry, 2013, 156, 209-213.	0.9	17
61	Synergistic effect of MgO/Ag co-doping on TiO2 for efficient antibacterial agents. Materials Letters, 2016, 184, 82-87.	1.3	17
62	Enhanced bioactivity of Fe3O4-Au nanocomposites â€“ A comparative antibacterial study. Materials Letters, 2020, 258, 126795.	1.3	16
63	Vibrational spectral analysis of l-lysine l-lysinium dichloride nitrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 3124-3130.	2.0	15
64	Enhanced photocatalytic degradation of textile dyeing wastewater under UV and visible light using ZnO/MgO nanocomposites as a novel photocatalyst. Particulate Science and Technology, 2020, 38, 812-820.	1.1	15
65	A Negatively Charged Hydrophobic Hemi-micelle of Fe3O4/Ag MNP Role Towards SERS, Photocatalysis and Bactericidal. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1469-1479.	1.9	15
66	l-Phenylalanine functionalized silver nanoparticles: Photocatalytic and nonlinear optical applications. Optical Materials, 2015, 42, 152-159.	1.7	14
67	Novel silver nanoparticles/activated carbon co-doped titania nanoparticles for enhanced antibacterial activity. Materials Letters, 2020, 258, 126775.	1.3	14
68	Evaluating the detection efficacy of advanced bimetallic plasmonic nanoparticles for heavy metals, hazardous materials and pesticides of leachate in contaminated groundwater. Environmental Research, 2021, 201, 111590.	3.7	14
69	Structural, morphological and optical properties of CTAB capped ZnSe nanoflakes. Materials Letters, 2012, 86, 129-131.	1.3	13
70	Glutathione Functionalized Gold Nanoparticles as Efficient Surface Enhanced Raman Scattering Substrate for Poly Chlorinated Biphenyl Detection. Journal of Cluster Science, 2018, 29, 281-287.	1.7	13
71	Investigations on 1,5-diaminoanthraquinone by laser excitation. Journal of Raman Spectroscopy, 2003, 34, 13-20.	1.2	12
72	Influence of Plasmonic Silver Nanoparticles on Fluorescence Quenching of 1,4-dihydroxy-3-methylanthracene-9,10-dione. Plasmonics, 2013, 8, 859-867.	1.8	12

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73	Detection and degradation of leachate in groundwater using ag modified Fe3O4 nanoparticle as sensor. Journal of Molecular Liquids, 2018, 252, 97-102.	2.3	12
74	Detect, Remove: A New Paradigm in Sensing and Removal of PCBs from reservoir soil via SERS-Active ZnO triggered gold nanocomposites. Applied Surface Science, 2018, 449, 638-646.	3.1	12
75	Changes in spectral features with varying mole fractions of anisaldehyde in binary mixtures. Journal of Raman Spectroscopy, 2007, 38, 271-276.	1.2	11
76	Spectral Investigations on the Fluorescence Quenching of 1,4-dihydroxy-2,3-dimethylanthracene-9,10-dione by Plasmonic Silver Nanoparticles. Plasmonics, 2014, 9, 443-450.	1.8	11
77	Spectral investigations on 1,5-dipiperidino anthraquinone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 393-403.	2.0	10
78	Infrared and laser Raman studies of bis(l-threoninium) sulphate monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 2977-2983.	2.0	10
79	Investigations of molecular interactions in propionic acidâ€“N,N-dimethyl formamide binary systemâ€”FTIR study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 815-822.	2.0	10
80	Adsorption of N-(1-(2-bromophenyl)-2-(2-nitrophenyl)ethyl)-4-methylbenzenesulfonamide on silver nanoparticles: SERS investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 234-240.	2.0	10
81	Preferential solvation of acridine in binary mixtures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 773-778.	2.0	9
82	Optical, structural and morphological properties of silver nanoparticles and its influence on the photocatalytic activity of TiO2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 80-85.	2.0	9
83	Orientation of N-(1-(2-chlorophenyl)-2-(2-nitrophenyl)ethyl)-4-methylbenzenesulfonamide on silver nanoparticles: SERS studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 261-267.	2.0	9
84	Photocatalytic and antimicrobial activities of fluorine doped TiO2-carbon nano cones and disc composites. Materials Science in Semiconductor Processing, 2015, 31, 543-550.	1.9	9
85	SERS Activities of Green Synthesized Silver Nanoparticles. Journal of Cluster Science, 2015, 26, 1451-1461.	1.7	9
86	Optical and morphological studies of L-histidine functionalised silver nanoparticles synthesised by two different methods. Journal of Experimental Nanoscience, 2015, 10, 167-180.	1.3	9
87	Effect of potassium on structural, photocatalytic and antibacterial activities of ZnO nanoparticles. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 045008.	0.7	9
88	Molecular characterization, DFT and TD-DFT calculations of morpholinium tetra chloropalladate (II). Journal of Molecular Structure, 2017, 1138, 208-214.	1.8	9
89	Colloidal design of Au@Pt nanoflowers with good catalytic activity and SERS investigations on river soil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 218-226.	2.3	9
90	Spectral investigations on 1,4-dimethylamino anthraquinone under laser excitation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2941-2949.	2.0	8

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91	Concentration dependent Raman and IR study on salicylaldehyde in binary mixtures. Journal of Raman Spectroscopy, 2007, 38, 1639-1645.	1.2	8
92	Effect of ZnO/Ag Nanocomposites Against Anionic and Cationic Dyes as Photocatalysts and Antibacterial Agents. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 500-510.	1.9	8
93	Raman spectral investigations on the binary system (acetic acidN,N-dimethyl formamide). Journal of Raman Spectroscopy, 2007, 38, 231-238.	1.2	7
94	Spectroscopic studies of 1,4-dimethoxy-2,3-dimethylanthracene-9,10-dione on plasmonic silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 472-479.	2.0	7
95	l-Glutamic acid functionalized silver nanoparticles and its nonlinear optical applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 4124-4131.	1.1	7
96	Photo-degradation of CT-DNA with a series of carbothioamide ruthenium (II) complexes â€“ Synthesis and structural analysis. Journal of Molecular Structure, 2018, 1157, 201-209.	1.8	7
97	Auâ€“TiO2 Core Shell Motif Scavenger: Facile Synthesis, High SERS Effect, Synergistic Photocatalytic Activity. Journal of Cluster Science, 2018, 29, 793-804.	1.7	7
98	Polyvinyl thiol assisted Ag NPs as an efficient SERS analyzer and visible light photocatalyst for tannery waste landfill leachate. Vacuum, 2019, 161, 125-129.	1.6	7
99	Spectral investigations on 2-methyl-3-chloromethyl-1,4-naphthoquinone and 2,3-bis(chloromethyl)-1,4-naphthoquinone under laser excitation. Journal of Raman Spectroscopy, 2003, 34, 172-179.	1.2	6
100	Fourier transformed infrared spectral investigations of molecular interactions in propionic acidâ€“2-propanol binary system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1181-1190.	2.0	6
101	Ground and excited state behavior of 1,4-dimethoxy-3-methyl-anthracene-9,10-dione in silver nanoparticles: Spectral and computational investigations. Journal of Luminescence, 2013, 142, 1-7.	1.5	6
102	Orientation of 1,4-dimethoxy-3â€“bromomethylanthracence-9,10-dione on silver nanoparticles: SERS studies. Journal of Molecular Structure, 2014, 1059, 87-93.	1.8	6
103	SERS investigations on orientation of 2-bromo-3-methyl-1,4-dimethoxy-9,10-anthraquinone on silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 558-563.	2.0	6
104	Monodispersed gold nanoparticles as a probe for the detection of Hg2+ ions in water. Acta Chimica Slovenica, 2017, 64, 186-192.	0.2	6
105	Hollow Gold Nanosphere Templated Synthesis of PEGylated Hollow Gold Nanostars and Use for SERS Detection of Amyloid Beta in Solution. Journal of Physical Chemistry B, 2021, 125, 12344-12352.	1.2	6
106	Size dependent antimicrobial activity of Boerhaavia diffusa leaf mediated silver nanoparticles. Journal of King Saud University - Science, 2022, 34, 102096.	1.6	6
107	Investigations of preferential solvation on 1,4-dimethoxy-3-methyl anthracene-9,10-dione. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 122-127.	2.0	5
108	Synthesis of gallic acid capped ZnSe transparent nanorods. Materials Letters, 2014, 115, 34-37.	1.3	5

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109	DFT and SERS Study of Adsorption of 1,4-Dimethoxy-2-nitro-3-methylanthracene-9,10-dione onto Silver Nanoparticles. Australian Journal of Chemistry, 2016, 69, 76.	0.5	5
110	Fluorinated TiO2-doped, glycine-functionalized MWCNTs for high-performance antibacterial agents. Carbon Letters, 2019, 29, 65-68.	3.3	5
111	Spectral investigations on the influence of silver nanoparticles on the fluorescence quenching of 1,4-dimethoxy-2,3-dibromomethylanthracene-9,10-dione. European Physical Journal D, 2014, 68, 1.	0.6	4
112	Synthesis of CdS nanoparticles for photocatalytic application of methyleneblue degradation. , 2014, , .		4
113	Surface enhanced Raman spectral studies of 2-bromo-1,4-naphthoquinone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 113-119.	2.0	4
114	ZnO/BaO nanocomposites: a promising photocatalyst in degrading anionic and cationic dyes under UV and visible light and an efficient antibacterial agent. Journal of Sol-Gel Science and Technology, 0, , 1.	1.1	4
115	Absorption, Fluorescence Studies and Ab Initio Calculations on Binary Mixture of p-Dimethylaminobenzaldehyde. Journal of Fluorescence, 2008, 18, 383-391.	1.3	3
116	A facile synthesis of malic acid capped ZnSe transparent nanopellets and its optical properties. Materials Letters, 2015, 144, 110-113.	1.3	3
117	Ground and excited state preferential solvation behaviour of 1,4-dihydroxy-3-methylanthracene-9,10-dione in DMF+CCl4 binary system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 336-340.	2.0	2
118	Micropatterned Arrays of ZnSe Nanospheres as Antireflection Coatings. Australian Journal of Chemistry, 2014, 67, 1427.	0.5	2
119	Orientation of 2,6-Dicarbethoxy-3,5-bis(pyridine-3-yl)tetrahydro-1,4-thiazine-1,1-dioxide on Silver Nanoparticles: Surface-Enhanced Raman Spectral Studies. International Journal of Spectroscopy, 2014, 2014, 1-8.	1.4	2
120	Structural and spectroscopic study of adsorption of anthracene on silver. Molecular Physics, 2015, 113, 3673-3682.	0.8	2
121	Impact of carbon-fluorine doped titanium dioxide in the performance of an electrochemical sensing of dopamine and rosebengal sensitized solar cells. AIP Advances, 2015, 5, .	0.6	2
122	Surface Enhanced Raman Spectroscopic investigations of 2-bromo-3-methylamino-1,4-naphthoquinone on silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1967-1973.	2.0	2
123	Plasmonic silver nanospheres embedded Îµ-caprolactone/reduced graphite oxide nanolayers as active SERS substrates. Materials Science and Engineering C, 2019, 101, 431-437.	3.8	2
124	Characterization of Ag Nanocrystals for use in Solar Cell Applications. Materials Research Society Symposia Proceedings, 2009, 1211, 1.	0.1	1
125	DFT and experimental studies of the structure and vibrational spectra of 2-(tert-buroxycarbonyl (Boc)) Tj ETQq1 1 0.784314 rgBT /Ove		1
126	Tailoring of Morphology and Optical Properties of Bishydrazone-Capped ZnSe Nanorods. Australian Journal of Chemistry, 2015, 68, 1508.	0.5	1

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127	Large scale ZnTe nanostructures on polymer micro patterns via capillary force photolithography. AIP Conference Proceedings, 2016, , .	0.3	1
128	TiO2-based nanomaterials for wastewater treatment. , 2020, , 3-24.		1
129	Synergistic Effect of Nickel on Tungsten Oxide Hydrate (WO3Â·H2O) As a Photoanode for Dye-Sensitized Solar Cells. Journal of Electronic Materials, 0, , 1.	1.0	1
130	Graphene-based surface-enhanced Raman scattering as an efficient tool in the detection of toxic organic dyes in real industrial effluents. , 2022, , 167-187.		1
131	Surface-Enhanced Infrared Spectral Investigations of 2,3-Bis(chloromethyl)anthracene-1,4,9,10-tetraone on Copper Nanoparticles. Spectroscopy Letters, 2012, 45, 438-446.	0.5	0
132	Surface enhanced infrared spectral investigation of 2,3-bis(chloromethyl)anthracene-1,4,9,10-tetraone on silver nanoparticles. Journal of Applied Spectroscopy, 2012, 79, 189-196.	0.3	0
133	Volumetric and Transport Properties of Ternary Mixtures Containing Methyl benzoate + Cyclohexane + Hexanol at Different Temperature. Asian Journal of Chemistry, 2013, 25, 10247-10250.	0.1	0
134	Antimicrobial activity of green synthesized plasmonic nanoparticles. , 2019, , 117-151.		0
135	SERS nanosensors for organic compounds contaminated soils. , 2021, , 259-284.		0
136	Synthesis, Characterization and Photocatalytic Activity of ZnO Nanoflakes. Journal of Nano Energy and Power Research, 2013, 2, 108-114.	0.2	0
137	CHAPTER 18. Surface-Enhanced Raman Scattering with Nanomaterials. RSC Detection Science, 0, , 504-519.	0.0	0