

Suresh Kumar Kailasa

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.

196
papers

6,302
citations

43
h-index

68
g-index

203
ext. papers

7,594
ext. citations

5.9
avg, IF

6.73
L-index

#	Paper	IF	Citations
196	Ultrasml fluorescent nanomaterials for sensing and bioimaging applications 2022 , 531-570		
195	Green fluorescent carbon dots functionalized MoO ₃ nanoparticles for sensing of hypochlorite. <i>Journal of Molecular Liquids</i> , 2022 , 351, 118628	6	2
194	Upconversion-luminescent nanomaterials for biomedical applications 2022 , 337-374		
193	A novel design for the development of deployable benthic microbial fuel cells using PPy-Fe ₂ O ₃ coated multi-anode system. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102049	4.7	
192	Miniaturized Liquid Extractions in MALDI-MS Analysis 2022 , 219-260		
191	Perspectives of magnetic nature carbon dots in analytical chemistry: From separation to detection and bioimaging. <i>Trends in Environmental Analytical Chemistry</i> , 2022 , 33, e00153	12	12
190	Review on the biomedical and sensing applications of nanomaterial-incorporated hydrogels. <i>Materials Today Chemistry</i> , 2022 , 23, 100746	6.2	8
189	Functionalized Materials for Miniaturized Analytical Devices 2022 , 181-195		
188	Microvolume UV-Visible Spectrometry for Assaying of Pesticides 2022 , 197-217		
187	Functionalized 2 D Nanomaterials for Miniaturized Analytical Devices 2022 , 153-179		
186	Miniaturized Capillary Electrophoresis for the Separation and Identification of Biomolecules 2022 , 1-19		
185	Ligand chemistry of gold, silver and copper nanoparticles for visual read-out assay of pesticides: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116607	14.6	3
184	Microwave Assisted Synthesis of Red-Emitting Copper Nanoclusters Using Trypsin as a Ligand for Sensing of Pb and Hg Ions in Water and Tobacco Samples.. <i>Applied Spectroscopy</i> , 2022 , 37028221100544 ^{3.1}	3.1	0
183	Progress in bioremediation of pesticide residues in the environment. <i>Environmental Engineering Research</i> , 2021 , 26, 200446-0	3.6	5
182	Folic acid functionalized molybdenum oxide quantum dots for the detection of Cu ion and alkaline phosphatase via fluorescence turn off-on mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 268, 120659	4.4	1
181	Functionalization of Silver Nanoparticles with Carbohydrate Derivative for Colorimetric Assay of Thiram. <i>Journal of Electronic Materials</i> , 2021 , 50, 3676-3685	1.9	2
180	Pepsin mediated synthesis of blue fluorescent copper nanoclusters for sensing of flutamide and chloramphenicol drugs. <i>Microchemical Journal</i> , 2021 , 164, 105947	4.8	14

179	Functionalization of gold nanoparticles using guanidine thiocyanate for sensitive and selective visual detection of Cd ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129685	8.5	7
178	Applications of single-drop microextraction in analytical chemistry: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 29, e00113	12	26
177	Trypsin encapsulated gold-silver bimetallic nanoclusters for recognition of quinalphos via fluorescence quenching and of Zn ²⁺ and Cd ²⁺ ions via fluorescence enhancement. <i>Journal of Molecular Liquids</i> , 2021 , 327, 114830	6	10
176	A novel SnO ₂ /polypyrrole/SnO ₂ nanocomposite modified anode with improved performance in benthic microbial fuel cell 2021 , 1081-1099		1
175	Recent developments on fluorescent hybrid nanomaterials for metal ions sensing and bioimaging applications: A review. <i>Journal of Molecular Liquids</i> , 2021 , 333, 115950	6	29
174	Fluorescence enhancement of bovine serum albumin gold nanoclusters from La ³⁺ ion: Detection of four divalent metal ions (Hg ²⁺ , Cu ²⁺ , Pb ²⁺ and Cd ²⁺). <i>Journal of Molecular Liquids</i> , 2021 , 336, 116239	6	8
173	Green synthesis of carbon dots from <i>Calotropis procera</i> leaves for trace level identification of isoprothiolane. <i>Microchemical Journal</i> , 2021 , 167, 106272	4.8	8
172	Drug induced cationic vesicles assisted fabrication of hollow silica nano-spheres as the new age chemo-drug carrier. <i>Colloids and Interface Science Communications</i> , 2021 , 44, 100466	5.4	1
171	Facile synthesis of carbon dots from <i>Tagetes erecta</i> as a precursor for determination of chlorpyrifos via fluorescence turn-off and quinalphos via fluorescence turn-on mechanisms. <i>Chemosphere</i> , 2021 , 279, 130515	8.4	16
170	Surface modifications and analytical applications of graphene oxide: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 144, 116448	14.6	15
169	Genetic engineering strategies for performance enhancement of bioelectrochemical systems: A review. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 47, 101332	4.7	4
168	Review on MXenes-based nanomaterials for sustainable opportunities in energy storage, sensing and electrocatalytic reactions. <i>Journal of Molecular Liquids</i> , 2021 , 342, 117524	6	6
167	Recent progress on the modifications of ultra-small perovskite nanomaterials for sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 144, 116432	14.6	7
166	Ionic liquid-based cationic vesicles: A de novo system to judiciously improve the solubility, stability and antimicrobial activity of curcumin. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117396	6	8
165	Biomolecules as promising ligands in the synthesis of metal nanoclusters: Sensing, bioimaging and catalytic applications. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 32, e00140	12	11
164	An overview of molecular biology and nanotechnology based analytical methods for the detection of SARS-CoV-2: promising biotools for the rapid diagnosis of COVID-19. <i>Analyst, The</i> , 2021 , 146, 1489-1513	5.3	25
163	Present status of hybrid materials for potable water decontamination: a review. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 3214-3248	4.2	8
162	Chicken egg white mediated synthesis of platinum nanoclusters for the selective detection of carbidopa. <i>Optical Materials</i> , 2020 , 107, 110085	3.3	9

161	Novel peptides functionalized gold nanoparticles decorated tungsten disulfide nanoflowers as the electrochemical sensing platforms for the norovirus in an oyster. <i>Food Control</i> , 2020 , 114, 107225	6.2	17
160	Critical role of water stability in metal-organic frameworks and advanced modification strategies for the extension of their applicability. <i>Environmental Science: Nano</i> , 2020 , 7, 1319-1347	7.1	36
159	Ractopamine as a novel reagent for the fabrication of gold nanoparticles: Colorimetric sensing of cysteine and Hg ²⁺ ion with different spectral characteristics. <i>Microchemical Journal</i> , 2020 , 158, 105212	4.8	14
158	Simple hydrothermal approach for synthesis of fluorescent molybdenum disulfide quantum dots: Sensing of Cr ion and cellular imaging. <i>Materials Science and Engineering C</i> , 2020 , 111, 110778	8.3	8
157	Carbon dots as versatile nanoarchitectures for the treatment of neurological disorders and their theranostic applications: A review. <i>Advances in Colloid and Interface Science</i> , 2020 , 278, 102123	14.3	68
156	One pot synthesis of fluorescent gold nanoclusters from Curcuma longa extract for independent detection of Cd ²⁺ , Zn ²⁺ and Cu ²⁺ ions with high sensitivity. <i>Journal of Molecular Liquids</i> , 2020 , 304, 112697	6	22
155	Photo-induced reactions for disassembling of co-loaded photosensitizer and drug molecules from upconversion-mesoporous silica nanoparticles: An effective synergistic cancer therapy. <i>Materials Science and Engineering C</i> , 2020 , 110, 110545	8.3	16
154	Fluorescence detection of Fe ³⁺ ion using ultra-small fluorescent carbon dots derived from pineapple (<i>Ananas comosus</i>): Development of miniaturized analytical method. <i>Journal of Molecular Structure</i> , 2020 , 1216, 128343	3.4	20
153	Glutathione-capped <i>Syzygium cumini</i> carbon dot-amalgamated agarose hydrogel film for naked-eye detection of heavy metal ions. <i>Journal of Analytical Science and Technology</i> , 2020 , 11,	3.4	14
152	Fabrication of Nanostructured Materials with Rare-Earth Elements for Bioanalytical Applications 2020 , 137-152		
151	Recent Strategies on Adsorptive Removal of Precious Metals and Rare Earths Using Low-Cost Natural Adsorbents 2020 , 87-109		2
150	Diaminodiphenyl sulfone as a novel ligand for synthesis of gold nanoparticles for simultaneous colorimetric assay of three trivalent metal cations (Al ³⁺ , Fe ³⁺ and Cr ³⁺). <i>Journal of Molecular Liquids</i> , 2020 , 312, 113409	6	12
149	Designing of glutathione-lactose derivative for the fabrication of gold nanoclusters with red fluorescence: Sensing of Al ³⁺ and Cu ²⁺ ions with two different mechanisms. <i>Optical Materials</i> , 2020 , 100, 109704	3.3	19
148	Nanoparticle-integrated electrochemical devices for identification of mycotoxins 2020 , 275-296		1
147	Surface-modified metal nanoparticles for recognition of toxic organic molecules 2020 , 415-432		1
146	Cu-nanoflower decorated gold nanoparticles-graphene oxide nanofiber as electrochemical biosensor for glucose detection. <i>Materials Science and Engineering C</i> , 2020 , 107, 110273	8.3	89
145	Introduction of cellulose-cysteine Schiff base as a new ligand for the fabrication of blue fluorescent gold nanoclusters for the detection of indapamide drug. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114305	6	8
144	Review on matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for the rapid screening of microbial species: A promising bioanalytical tool. <i>Microchemical Journal</i> , 2020 , 159, 105387	4.8	9

143	Functionalized surfactant based cationic vesicles as the soft template for the synthesis of hollow silica nanospheres as new drug carrier. <i>Surfaces and Interfaces</i> , 2020 , 20, 100596	4.1	6
142	One-pot fabrication of amino acid and peptide stabilized gold nanoclusters for the measurement of the lead in plasma samples using chemically modified cellulose paper. <i>Sensors and Actuators B: Chemical</i> , 2020 , 322, 128603	8.5	7
141	Fabrication of a paper strip for facile and rapid detection of bovine viral diarrhoea virus signal enhancement by copper polyhedral nanoshells. <i>RSC Advances</i> , 2020 , 10, 29759-29764	3.7	3
140	Facile synthesis of highly blue fluorescent tyrosine coated molybdenum oxide quantum dots for the detection of imidacloprid pesticide. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114329	6	7
139	Performance of polypyrrole coated metal oxide composite electrodes for benthic microbial fuel cell (BMFC). <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 102757	6.8	17
138	Recent progress on solution and materials chemistry for the removal of hydrogen sulfide from various gas plants. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111886	6	21
137	Investigation of silicon doping into carbon dots for improved fluorescence properties for selective detection of Fe ³⁺ ion. <i>Optical Materials</i> , 2019 , 96, 109374	3.3	21
136	Recent advances of upconversion nanoparticles in theranostics and bioimaging applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115646	14.6	39
135	Progress of electrospray ionization and rapid evaporative ionization mass spectrometric techniques for the broad-range identification of microorganisms. <i>Analyst</i> , 2019 , 144, 1073-1103	5	10
134	Antimicrobial activity of silver nanoparticles 2019 , 461-484		29
133	Carbon dots as carriers for the development of controlled drug and gene delivery systems 2019 , 295-317		3
132	Metal nanoparticles-based colorimetric methods for drug analyses 2019 , 619-641		1
131	Advances in functional nanomaterial-based electrochemical techniques for screening of endocrine disrupting chemicals in various sample matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 113, 256-279	14.6	31
130	Trypsin mediated one-pot reaction for the synthesis of red fluorescent gold nanoclusters: Sensing of multiple analytes (carbidopa, dopamine, Cu, Co and Hg ions). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 215, 209-217	4.4	43
129	Fluorescence turn-off detection of spermine in biofluids using pepsin mediated synthesis of gold nanoclusters as a probe. <i>Journal of Molecular Liquids</i> , 2019 , 280, 18-24	6	34
128	Effect of cerium oxide nanoparticles coating on the electrodes of benthic microbial fuel cell. <i>Separation Science and Technology</i> , 2019 , 54, 213-223	2.5	14
127	Assembly of 6-aza-2-thiothymine on gold nanoparticles for selective and sensitive colorimetric detection of penciclovir in water and food samples. <i>Talanta</i> , 2019 , 205, 120087	6.2	12
126	Acid Oxidation of Muskmelon Fruit for the Fabrication of Carbon Dots with Specific Emission Colors for Recognition of Hg Ions and Cell Imaging. <i>ACS Omega</i> , 2019 , 4, 19332-19340	3.9	34

125	One-pot synthesis of carbon dots with intrinsic folic acid for synergistic imaging-guided photothermal therapy of prostate cancer cells. <i>Biomaterials Science</i> , 2019 , 7, 5187-5196	7.4	34
124	Independent spectral characteristics of functionalized silver nanoparticles for colorimetric assay of arginine and spermine in biofluids. <i>New Journal of Chemistry</i> , 2019 , 43, 17069-17077	3.6	9
123	Development of a rapid and sensitive electrochemical biosensor for detection of human norovirus via novel specific binding peptides. <i>Biosensors and Bioelectronics</i> , 2019 , 123, 223-229	11.8	48
122	Influence of doping ion, capping agent and pH on the fluorescence properties of zinc sulfide quantum dots: Sensing of Cu and Hg ions and their biocompatibility with cancer and fungal cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 210, 212-221	4.4	32
121	Tuning of carbon dots emission color for sensing of Fe ion and bioimaging applications. <i>Materials Science and Engineering C</i> , 2019 , 98, 834-842	8.3	105
120	Green synthesis of multi-color emissive carbon dots from Manilkara zapota Fruits for bioimaging of bacterial and fungal cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 191, 150-155	6.7	71
119	Ultra-small two dimensional MXene nanosheets for selective and sensitive fluorescence detection of Ag ⁺ and Mn ²⁺ ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 565, 70-77	5.1	48
118	Performance enhancement of benthic microbial fuel cell by cerium coated electrodes. <i>Electrochimica Acta</i> , 2019 , 295, 58-66	6.7	16
117	Amylase protected gold nanoclusters as chemo- and bio- sensor for nanomolar detection of deltamethrin and glutathione. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 812-820	8.5	43
116	Tuning of gold nanoclusters sensing applications with bovine serum albumin and bromelain for detection of Hg ion and lambda-cyhalothrin via fluorescence turn-off and on mechanisms. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2781-2791	4.4	34
115	Phytochemical-assisted synthetic approaches for silver nanoparticles antimicrobial applications: A review. <i>Advances in Colloid and Interface Science</i> , 2018 , 256, 326-339	14.3	111
114	Microwave-assisted synthesis of water-soluble Eu ³⁺ hybrid carbon dots with enhanced fluorescence for the sensing of Hg ²⁺ ions and imaging of fungal cells. <i>New Journal of Chemistry</i> , 2018 , 42, 6125-6133	3.6	40
113	Ligand exchange reactions on citrate-gold nanoparticles for a parallel colorimetric assay of six pesticides. <i>New Journal of Chemistry</i> , 2018 , 42, 9080-9090	3.6	27
112	Comparison of different electrode materials and modification for power enhancement in benthic microbial fuel cells (BMFCs). <i>Chemical Engineering Research and Design</i> , 2018 , 117, 11-21	5.5	17
111	Influence of ligand chemistry on silver nanoparticles for colorimetric detection of Cr and Hg ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 195, 120-127	4.4	36
110	Effect of geometrical position of a multi-anode system in power output and nutritional variation in benthic microbial fuel cells. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1558-1568	6.8	11
109	Drug-Induced Micelle-to-Vesicle Transition of a Cationic Gemini Surfactant: Potential Applications in Drug Delivery. <i>ChemPhysChem</i> , 2018 , 19, 865-872	3.2	40
108	Synthesis of fluorescent carbon dots using <i>Daucus carota</i> subsp. <i>sativus</i> roots for mitomycin drug delivery. <i>Optik</i> , 2018 , 158, 893-900	2.5	46

107	Biofiltration of hydrogen sulfide: Trends and challenges. <i>Journal of Cleaner Production</i> , 2018 , 187, 131-147.	7.3	75
106	Rapid discriminative detection of dengue viruses via loop mediated isothermal amplification. <i>Talanta</i> , 2018 , 190, 391-396	6.2	21
105	Facile green synthesis of carbon dots from <i>Pyrus pyrifolia</i> fruit for assaying of Al ³⁺ ion via chelation enhanced fluorescence mechanism. <i>Journal of Molecular Liquids</i> , 2018 , 264, 9-16	6	57
104	Review of nanomaterials as sorbents in solid-phase extraction for environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 347-369	14.6	176
103	Progress on nanostructured electrochemical sensors and their recognition elements for detection of mycotoxins: A review. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 205-222	11.8	112
102	Synthesis of fluorescent silicon quantum dots for ultra-rapid and selective sensing of Cr(VI) ion and biomonitoring of cancer cells. <i>Materials Science and Engineering C</i> , 2018 , 93, 429-436	8.3	35
101	One-step eco-friendly approach for the fabrication of synergistically engineered fluorescent copper nanoclusters: sensing of Hg ²⁺ ion and cellular uptake and bioimaging properties. <i>New Journal of Chemistry</i> , 2018 , 42, 1510-1520	3.6	35
100	A critical review of ferrate(VI)-based remediation of soil and groundwater. <i>Environmental Research</i> , 2018 , 160, 420-448	7.9	91
99	Selective and Sensitive Colorimetric Recognition of Ba ²⁺ Ion Using Guanine-Functionalized Silver Nanoparticles. <i>ChemistrySelect</i> , 2018 , 3, 10182-10187	1.8	7
98	Chicken egg white and L-cysteine as cooperative ligands for effective encapsulation of Zn-doped silver nanoclusters for sensing and imaging applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 559, 35-42	5.1	21
97	Nano-Vehicles for Drug Delivery Using Low-Cost Cationic Surfactants: A Drug Induced Structural Transitions. <i>ChemistrySelect</i> , 2018 , 3, 9454-9463	1.8	16
96	Gold-copper nanoshell dot-blot immunoassay for naked-eye sensitive detection of tuberculosis specific CFP-10 antigen. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 111-117	11.8	26
95	Fluorescence sensing of Cu ²⁺ ion and imaging of fungal cell by ultra-small fluorescent carbon dots derived from <i>Acacia concinna</i> seeds. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 47-54	8.5	76
94	Synergistic molecular assembly of an aptamer and surfactant on gold nanoparticles for the colorimetric detection of trace levels of As ³⁺ ions in real samples. <i>New Journal of Chemistry</i> , 2018 , 42, 11530-11538	3.6	28
93	Recent progress on surface chemistry of plasmonic metal nanoparticles for colorimetric assay of drugs in pharmaceutical and biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 106-120	14.6	121
92	Multi-functional groups of dithiocarbamate derivative assembly on gold nanoparticles for competitive detection of diafenthiuron. <i>Sensors and Actuators B: Chemical</i> , 2017 , 244, 796-805	8.5	16
91	Tuning of gold nanoparticles analytical applications with nitro and hydroxy benzylindole-dithiocarbamates for simple and selective detection of terbufos and thiacloprid insecticides in environmental samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 515, 50-61	5.1	11
90	Simple and selective detection of pendimethalin herbicide in water and food samples based on the aggregation of ractopamine-dithiocarbamate functionalized gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017 , 245, 541-550	8.5	28

89	Nanomaterial-based electrochemical sensors for arsenic - A review. <i>Biosensors and Bioelectronics</i> , 2017 , 95, 106-116	11.8	109
88	One-pot synthesis of silver nanoparticles using folic acid as a reagent for colorimetric and fluorimetric detections of 6-mercaptopurine at nanomolar concentration. <i>Sensors and Actuators B: Chemical</i> , 2017 , 249, 30-38	8.5	33
87	Microwave assisted synthesis of tyrosine protected gold nanoparticles for dual (colorimetric and fluorimetric) detection of spermine and spermidine in biological samples. <i>Biosensors and Bioelectronics</i> , 2017 , 88, 71-77	11.8	54
86	Green Synthetic Approach for Synthesis of Fluorescent Carbon Dots for Lisinopril Drug Delivery System and their Confirmations in the Cells. <i>Journal of Fluorescence</i> , 2017 , 27, 111-124	2.4	51
85	Synthesis of Water Dispersible Fluorescent Carbon Nanocrystals from Syzygium cumini Fruits for the Detection of Fe Ion in Water and Biological Samples and Imaging of Fusarium avenaceum Cells. <i>Journal of Fluorescence</i> , 2017 , 27, 125-134	2.4	28
84	Recent advances in the direct and nanomaterials-based matrix-assisted laser desorption/ionization mass spectrometric approaches for rapid characterization and identification of foodborne pathogens 2017 , 449-485		
83	Plasmonic nanoparticles and quantum dots in the identification of inorganic and organic contaminants in food samples 2017 , 677-711		
82	Recent Advances in Titania-based Composites for Photocatalytic Degradation of Indoor Volatile Organic Compounds. <i>Asian Journal of Atmospheric Environment</i> , 2017 , 11, 217-234	1.3	16
81	Fluorescent carbon dots derived from vancomycin for flutamide drug delivery and cell imaging. <i>New Journal of Chemistry</i> , 2016 , 40, 7075-7083	3.6	25
80	2,3,4-Trihydroxy benzophenone as a novel reducing agent for one-step synthesis of size-optimized gold nanoparticles and their application in colorimetric sensing of adenine at nanomolar concentration. <i>RSC Advances</i> , 2016 , 6, 11099-11108	3.7	16
79	One-step green synthetic approach for the preparation of multicolor emitting copper nanoclusters and their applications in chemical species sensing and bioimaging. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 243-248	11.8	84
78	Synthesis of fluorescent nitrogen-doped carbon dots from dried shrimps for cell imaging and boldine drug delivery system. <i>RSC Advances</i> , 2016 , 6, 12169-12179	3.7	89
77	Colorimetric and fluorescence Turn-on methods for the sensitive detection of bromelain using carbon dots functionalized gold nanoparticles as a dual probe. <i>RSC Advances</i> , 2016 , 6, 32025-32036	3.7	26
76	Functionalization of silver nanoparticles with 5-sulfoanthranilic acid dithiocarbamate for selective colorimetric detection of Mn ²⁺ and Cd ²⁺ ions. <i>New Journal of Chemistry</i> , 2016 , 40, 4566-4574	3.6	40
75	4-Amino nicotinic acid mediated synthesis of gold nanoparticles for visual detection of arginine, histidine, methionine and tryptophan. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 780-789	8.5	47
74	Development of p-nitroaniline dithiocarbamate capped gold nanoparticles-based microvolume UV-Vis spectrometric method for facile and selective detection of quinalphos insecticide in environmental samples. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 826-835	8.5	29
73	Mg ²⁺ ion as a tuner for colorimetric sensing of glyphosate with improved sensitivity via the aggregation of 2-mercapto-5-nitrobenzimidazole capped silver nanoparticles. <i>RSC Advances</i> , 2016 , 6, 47741-47752	3.7	28
72	Molecular assembly of 3-mercaptopropionic acid and guanidine acetic acid on silver nanoparticles for selective colorimetric detection of triazophos in water and food samples. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 486-495	8.5	44

71	Dithiocarbamate-calix[4]arene functionalized gold nanoparticles as a selective and sensitive colorimetric probe for assay of metsulfuron-methyl herbicide via non-covalent interactions. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 1044-1055	8.5	20
70	Simultaneous colorimetric detection of four drugs in their pharmaceutical formulations using unmodified gold nanoparticles as a probe. <i>RSC Advances</i> , 2015 , 5, 19924-19932	3.7	21
69	Influence of molecular assembly and NaCl concentration on gold nanoparticles for colorimetric detection of cysteine and glutathione. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 526-535	8.5	58
68	One-step hydrothermal approach to fabricate carbon dots from apple juice for imaging of mycobacterium and fungal cells. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 434-443	8.5	305
67	Imaging of Bacterial and Fungal Cells Using Fluorescent Carbon Dots Prepared from Carica papaya Juice. <i>Journal of Fluorescence</i> , 2015 , 25, 803-10	2.4	109
66	Simple and sensitive colorimetric sensing of Cd ²⁺ ion using chitosan dithiocarbamate functionalized gold nanoparticles as a probe. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 850-858	8.5	51
65	Dicoumarol assisted synthesis of water dispersible gold nanoparticles for colorimetric sensing of cysteine and lysozyme in biofluids. <i>RSC Advances</i> , 2015 , 5, 39182-39191	3.7	33
64	A molecular assembly of piperidine carboxylic acid dithiocarbamate on gold nanoparticles for the selective and sensitive detection of Al ³⁺ ion in water samples. <i>RSC Advances</i> , 2015 , 5, 33468-33477	3.7	21
63	Ionic liquids in bioanalysis. <i>Bioanalysis</i> , 2015 , 7, 2251-64	2.1	6
62	Analytical applications of nanoparticles in MALDI-MS for bioanalysis. <i>Bioanalysis</i> , 2015 , 7, 2265-76	2.1	9
61	Exploring the ability of water soluble carbon dots as matrix for detecting neurological disorders using MALDI-TOF MS. <i>International Journal of Mass Spectrometry</i> , 2015 , 393, 25-33	1.9	22
60	Ascorbic acid-functionalized Ag NPs as a probe for colorimetric sensing of glutathione. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 747-753	3.3	16
59	Nanomaterial-based miniaturized extraction and preconcentration techniques coupled to matrix-assisted laser desorption/ionization mass spectrometry for assaying biomolecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 65, 54-72	14.6	52
58	Malonamide dithiocarbamate functionalized gold nanoparticles for colorimetric sensing of Cu ²⁺ and Hg ²⁺ ions. <i>RSC Advances</i> , 2015 , 5, 4245-4255	3.7	33
57	Electrospray ionization tandem mass spectrometry for rapid, sensitive and direct detection of melamine in dairy products. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 138-144	6.3	12
56	Recognition of carbendazim fungicide in environmental samples by using 4-aminobenzenethiol functionalized silver nanoparticles as a colorimetric sensor. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 684-691	8.5	73
55	Fluorescent Carbon Dots for Bioimaging 2015 , 215-228		
54	One-step synthesis of fluorescent carbon dots for imaging bacterial and fungal cells. <i>Analytical Methods</i> , 2015 , 7, 2373-2378	3.2	88

53	Proteomic profiling by nanomaterials-based matrix-assisted laser desorption/ionization mass spectrometry for high-resolution data and novel protein information directly from biological samples. <i>Methods in Molecular Biology</i> , 2015 , 1295, 479-96	1.4	1
52	Recent developments in nanoparticle-based MALDI mass spectrometric analysis of phosphoproteomes. <i>Mikrochimica Acta</i> , 2014 , 181, 853-864	5.8	32
51	Surface modified quantum dots as fluorescent probes for biomolecule recognition. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 447-59	1.3	19
50	One-pot green synthesis of carbon dots by using Saccharum officinarum juice for fluorescent imaging of bacteria (<i>Escherichia coli</i>) and yeast (<i>Saccharomyces cerevisiae</i>) cells. <i>Materials Science and Engineering C</i> , 2014 , 38, 20-7	8.3	265
49	Selective visual detection of Pb(II) ion via gold nanoparticles coated with a dithiocarbamate-modified 4?-aminobenzo-18-crown-6. <i>Mikrochimica Acta</i> , 2014 , 181, 1905-1915	5.8	42
48	Citrate-modified silver nanoparticles as a colorimetric probe for simultaneous detection of four triptan-family drugs. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 254-263	8.5	57
47	Comparison of single-drop microextraction with microvolume pipette extraction directly coupled with capillary electrophoresis for extraction and separation of tricyclic antidepressant drugs. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 2071-2076	6.3	19
46	Bifunctionalization of silver nanoparticles with 6-mercaptopuronic acid and melamine for simultaneous colorimetric sensing of Cr ³⁺ and Ba ²⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 562-571	8.5	63
45	Recent developments of liquid-phase microextraction techniques directly combined with ESI- and MALDI-mass spectrometric techniques for organic and biomolecule assays. <i>RSC Advances</i> , 2014 , 4, 16188	3.7	30
44	Sensitive and selective colorimetric sensing of Fe ³⁺ ion by using p-amino salicylic acid dithiocarbamate functionalized gold nanoparticles. <i>New Journal of Chemistry</i> , 2014 , 38, 1503-1511	3.6	50
43	Preparation of multicolor emitting carbon dots for HeLa cell imaging. <i>New Journal of Chemistry</i> , 2014 , 38, 6152-6160	3.6	173
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41	Visual detection of arginine, histidine and lysine using quercetin-functionalized gold nanoparticles. <i>Mikrochimica Acta</i> , 2014 , 181, 1917-1929	5.8	82
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38	Surface modification of silver nanoparticles with dopamine dithiocarbamate for selective colorimetric sensing of mancozeb in environmental samples. <i>Sensors and Actuators B: Chemical</i> , 2014 , 200, 219-226	8.5	52
37	Advances in nanomaterial-based microwaves and infrared wave-assisted tryptic digestion for ultrafast proteolysis and rapid detection by MALDI-MS. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014 , 17, 68-79	1.3	6
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35	Rapid Quantification of Efavirenz in Human Plasma by Electrospray Ionization Tandem Mass Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 437-441	1.5	2
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33	4-Mercaptophenylacetic acid functionalized Mn ²⁺ -doped ZnS nanoparticles fluorescence quenching caused by the addition of Cu ²⁺ . <i>Research on Chemical Intermediates</i> , 2013 , 39, 3631-3639	2.8	5
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30	Surface-assisted laser desorption-ionization mass spectrometry of oligosaccharides using magnesium oxide nanoparticles as a matrix. <i>Mikrochimica Acta</i> , 2013 , 180, 405-413	5.8	19
29	Colorimetric Detection of Copper in Water Samples Using Dopamine Dithiocarbamate-Functionalized Au Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 4414-4420	3.9	62
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