

Suresh Kumar Kailasa

List of Publications by Year in descending order

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Version: 2024-02-01

196
papers

8,920
citations

34105

52
h-index

62596

80
g-index

203
all docs

203
docs citations

203
times ranked

7984
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress on boron nitride nanostructure materials: properties, synthesis and applications in hydrogen storage and analytical chemistry. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 1-41.	9.1	31
2	Perspectives of different colour-emissive nanomaterials in fluorescent ink, LEDs, cell imaging, and sensing of various analytes. <i>Luminescence</i> , 2023, 38, 867-895.	2.9	9
3	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.	10.3	57
4	Folic acid functionalized molybdenum oxide quantum dots for the detection of Cu ²⁺ ion and alkaline phosphatase via fluorescence turn off-on mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120659.	3.9	10
5	Review on the biomedical and sensing applications of nanomaterial-incorporated hydrogels. <i>Materials Today Chemistry</i> , 2022, 23, 100746.	3.5	42
6	Borophene as a rising star in materials chemistry: synthesis, properties and applications in analytical science and energy devices. <i>New Journal of Chemistry</i> , 2022, 46, 4514-4533.	2.8	15
7	Ultrasmall fluorescent nanomaterials for sensing and bioimaging applications. , 2022, , 531-570.		0
8	Green fluorescent carbon dots functionalized MoO ₃ nanoparticles for sensing of hypochlorite. <i>Journal of Molecular Liquids</i> , 2022, 351, 118628.	4.9	15
9	Upconversion-luminescent nanomaterials for biomedical applications. , 2022, , 337-374.		0
10	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.	2.7	0
11	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, 153, 116607.	11.4	36
12	Microwave-Assisted Synthesis of Red Emitting Copper Nanoclusters Using Trypsin as a Ligand for Sensing of Pb ²⁺ And Hg ²⁺ Ions in Water and Tobacco Samples. <i>Applied Spectroscopy</i> , 2022, 76, 1234-1245.	2.2	7
13	Applications of upconversion nanoparticles in analytical and biomedical sciences: a review. <i>Analyst</i> , 2022, 147, 3155-3179.	3.5	25
14	Recent developments in carbon dot-based green analytical methods: new opportunities in fluorescence assays of pesticides, drugs and biomolecules. <i>New Journal of Chemistry</i> , 2022, 46, 14287-14308.	2.8	34
15	Synthesis of blue fluorescent molybdenum nanoclusters with novel terephthaldehyde-cysteine Schiff base for detection of pyrophosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121536.	3.9	7
16	Progress on dot-blot assay as a promising analytical tool: Detection from molecules to cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116736.	11.4	12
17	Applications of single-drop microextraction in analytical chemistry: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 29, e00113.	10.3	56
18	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.	4.9	21

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19	A novel SnO ₂ /polypyrrole/SnO ₂ nanocomposite modified anode with improved performance in benthic microbial fuel cell. , 2021, , 1081-1099.		1
20	Functionalization of Silver Nanoparticles with Carbohydrate Derivative for Colorimetric Assay of Thiram. Journal of Electronic Materials, 2021, 50, 3676-3685.	2.2	11
21	Pepsin mediated synthesis of blue fluorescent copper nanoclusters for sensing of flutamide and chloramphenicol drugs. Microchemical Journal, 2021, 164, 105947.	4.5	35
22	Functionalization of gold nanoparticles using guanidine thiocyanate for sensitive and selective visual detection of Cd ²⁺ . Sensors and Actuators B: Chemical, 2021, 334, 129685.	7.8	21
23	Recent developments on fluorescent hybrid nanomaterials for metal ions sensing and bioimaging applications: A review. Journal of Molecular Liquids, 2021, 333, 115950.	4.9	60
24	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⁺). Journal of Molecular Liquids, 2021, 336, 116239.	4.9	33
25	Green synthesis of carbon dots from Calotropis procera leaves for trace level identification of isoprothiolane. Microchemical Journal, 2021, 167, 106272.	4.5	34
26	Drug induced cationic vesicles assisted fabrication of hollow silica nano-spheres as the new age chemo-drug carrier. Colloids and Interface Science Communications, 2021, 44, 100466.	4.1	3
27	Facile synthesis of carbon dots from Tagetes erecta as a precursor for determination of chlorpyrifos via fluorescence turn-off and quinalphos via fluorescence turn-on mechanisms. Chemosphere, 2021, 279, 130515.	8.2	38
28	Surface modifications and analytical applications of graphene oxide: A review. TrAC - Trends in Analytical Chemistry, 2021, 144, 116448.	11.4	66
29	Genetic engineering strategies for performance enhancement of bioelectrochemical systems: A review. Sustainable Energy Technologies and Assessments, 2021, 47, 101332.	2.7	14
30	Review on MXenes-based nanomaterials for sustainable opportunities in energy storage, sensing and electrocatalytic reactions. Journal of Molecular Liquids, 2021, 342, 117524.	4.9	35
31	Recent progress on the modifications of ultra-small perovskite nanomaterials for sensing applications. TrAC - Trends in Analytical Chemistry, 2021, 144, 116432.	11.4	32
32	Ionic liquid-based cationic vesicles: A de novo system to judiciously improve the solubility, stability and antimicrobial activity of curcumin. Journal of Molecular Liquids, 2021, 341, 117396.	4.9	24
33	Biomolecules as promising ligands in the synthesis of metal nanoclusters: Sensing, bioimaging and catalytic applications. Trends in Environmental Analytical Chemistry, 2021, 32, e00140.	10.3	52
34	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. Analyst, The, 2021, 146, 1489-1513.	3.5	42
35	Lysozyme-Decorated Gold and Molybdenum Bimetallic Nanoclusters for the Selective Detection of Bilirubin as a Jaundice Biomarker. ACS Applied Nano Materials, 2021, 4, 11949-11959.	5.0	31
36	Progress in bioremediation of pesticide residues in the environment. Environmental Engineering Research, 2021, 26, 200446-0.	2.5	17

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37	Performance of polypyrrole coated metal oxide composite electrodes for benthic microbial fuel cell (BMFC). <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102757.	6.7	23
38	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.	4.9	50
39	Nanoparticle-integrated electrochemical devices for identification of mycotoxins. , 2020, , 275-296.		3
40	Surface-modified metal nanoparticles for recognition of toxic organic molecules. , 2020, , 415-432.		2
41	Cu-nanoflower decorated gold nanoparticles-graphene oxide nanofiber as electrochemical biosensor for glucose detection. <i>Materials Science and Engineering C</i> , 2020, 107, 110273.	7.3	138
42	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.	4.9	16
43	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.	4.5	16
44	Functionalized surfactant based cationic vesicles as the soft template for the synthesis of hollow silica nanospheres as new age drug carrier. <i>Surfaces and Interfaces</i> , 2020, 20, 100596.	3.0	11
45	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.	7.8	19
46	Fabrication of a paper strip for facile and rapid detection of bovine viral diarrhoea virus via signal enhancement by copper polyhedral nanoshells. <i>RSC Advances</i> , 2020, 10, 29759-29764.	3.6	11
47	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.	4.9	24
48	Present status of hybrid materials for potable water decontamination: a review. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3214-3248.	2.4	19
49	Chicken egg white mediated synthesis of platinum nanoclusters for the selective detection of carbido. <i>Optical Materials</i> , 2020, 107, 110085.	3.6	19
50	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.	5.5	29
51	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.	4.3	79
52	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.	4.5	32
53	Simple hydrothermal approach for synthesis of fluorescent molybdenum disulfide quantum dots: Sensing of Cr ³⁺ ion and cellular imaging. <i>Materials Science and Engineering C</i> , 2020, 111, 110778.	7.3	21
54	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.	14.7	119

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55	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. Journal of Molecular Liquids, 2020, 304, 112697.	4.9	41
56	Photo-induced reactions for disassembling of coloaded photosensitizer and drug molecules from upconversion-mesoporous silica nanoparticles: An effective synergistic cancer therapy. Materials Science and Engineering C, 2020, 110, 110545.	7.3	26
57	Fluorescence detection of Fe ³⁺ ion using ultra-small fluorescent carbon dots derived from pineapple (Ananas comosus): Development of miniaturized analytical method. Journal of Molecular Structure, 2020, 1216, 128343.	3.6	39
58	Recent Strategies on Adsorptive Removal of Precious Metals and Rare Earths Using Low-Cost Natural Adsorbents. , 2020, , 87-109.		5
59	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⁺). Journal of Molecular Liquids, 2020, 312, 113409.	4.9	22
60	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. Optical Materials, 2020, 100, 109704.	3.6	26
61	Glutathione-capped Syzygium cumini carbon dot-amalgamated agarose hydrogel film for naked-eye detection of heavy metal ions. Journal of Analytical Science and Technology, 2020, 11, .	2.1	25
62	Fabrication of Nanostructured Materials with Rare-Earth Elements for Bioanalytical Applications. , 2020, , 137-152.		1
63	Effect of cerium oxide nanoparticles coating on the electrodes of benthic microbial fuel cell. Separation Science and Technology, 2019, 54, 213-223.	2.5	18
64	Assembly of 6-aza-2-thiothymine on gold nanoparticles for selective and sensitive colorimetric detection of pencycuron in water and food samples. Talanta, 2019, 205, 120087.	5.5	19
65	Acid Oxidation of Muskmelon Fruit for the Fabrication of Carbon Dots with Specific Emission Colors for Recognition of Hg ²⁺ Ions and Cell Imaging. ACS Omega, 2019, 4, 19332-19340.	3.5	64
66	Investigation of silicon doping into carbon dots for improved fluorescence properties for selective detection of Fe ³⁺ ion. Optical Materials, 2019, 96, 109374.	3.6	34
67	Recent advances of upconversion nanoparticles in theranostics and bioimaging applications. TrAC - Trends in Analytical Chemistry, 2019, 120, 115646.	11.4	65
68	Progress of electrospray ionization and rapid evaporative ionization mass spectrometric techniques for the broad-range identification of microorganisms. Analyst, The, 2019, 144, 1073-1103.	3.5	19
69	Antimicrobial activity of silver nanoparticles. , 2019, , 461-484.		47
70	Carbon dots as carriers for the development of controlled drug and gene delivery systems. , 2019, , 295-317.		13
71	Metal nanoparticles-based colorimetric methods for drug analyses. , 2019, , 619-641.		3
72	Advances in functional nanomaterial-based electrochemical techniques for screening of endocrine disrupting chemicals in various sample matrices. TrAC - Trends in Analytical Chemistry, 2019, 113, 256-279.	11.4	41

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73	Trypsin mediated one-pot reaction for the synthesis of red fluorescent gold nanoclusters: Sensing of multiple analytes (carbidopa, dopamine, Cu ²⁺ , Co ²⁺ and Hg ²⁺ ions). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 209-217.	3.9	59
74	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.	4.9	54
75	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.	5.4	52
76	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.	2.8	13
77	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.	10.1	84
78	Influence of doping ion, capping agent and pH on the fluorescence properties of zinc sulfide quantum dots: Sensing of Cu ²⁺ and Hg ²⁺ ions and their biocompatibility with cancer and fungal cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 212-221.	3.9	38
79	Tuning of carbon dots emission color for sensing of Fe ³⁺ ion and bioimaging applications. <i>Materials Science and Engineering C</i> , 2019, 98, 834-842.	7.3	151
80	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.	3.8	113
81	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.	4.7	75
82	Performance enhancement of benthic microbial fuel cell by cerium coated electrodes. <i>Electrochimica Acta</i> , 2019, 295, 58-66.	5.2	22
83	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.	7.8	55
84	Tuning of gold nanoclusters sensing applications with bovine serum albumin and bromelain for detection of Hg ²⁺ ion and lambda-cyhalothrin via fluorescence turn-off and on mechanisms. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2781-2791.	3.7	40
85	Phytochemical-assisted synthetic approaches for silver nanoparticles antimicrobial applications: A review. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 326-339.	14.7	163
86	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.	2.8	51
87	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.	2.8	30
88	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.	5.6	27
89	Influence of ligand chemistry on silver nanoparticles for colorimetric detection of Cr ³⁺ and Hg ²⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 195, 120-127.	3.9	53
90	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.	6.7	16

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91	Drug-Induced Micelle-to-Vesicle Transition of a Cationic Gemini Surfactant: Potential Applications in Drug Delivery. <i>ChemPhysChem</i> , 2018, 19, 865-872.	2.1	47
92	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.	2.9	75
93	Biofiltration of hydrogen sulfide: Trends and challenges. <i>Journal of Cleaner Production</i> , 2018, 187, 131-147.	9.3	105
94	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.	2.8	50
95	A critical review of ferrate(VI)-based remediation of soil and groundwater. <i>Environmental Research</i> , 2018, 160, 420-448.	7.5	126
96	Selective and Sensitive Colorimetric Recognition of Ba ²⁺ Ion Using Guanidine-Functionalized Silver Nanoparticles. <i>ChemistrySelect</i> , 2018, 3, 10182-10187.	1.5	9
97	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.	4.7	27
98	Nano-Vehicles for Drug Delivery Using Low-Cost Cationic Surfactants: A Drug Induced Structural Transitions. <i>ChemistrySelect</i> , 2018, 3, 9454-9463.	1.5	18
99	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.	10.1	36
100	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.	7.8	110
101	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.	2.8	41
102	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.	11.4	152
103	Rapid discriminative detection of dengue viruses via loop mediated isothermal amplification. <i>Talanta</i> , 2018, 190, 391-396.	5.5	32
104	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.	4.9	76
105	Review of nanomaterials as sorbents in solid-phase extraction for environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 347-369.	11.4	240
106	Progress on nanostructured electrochemical sensors and their recognition elements for detection of mycotoxins: A review. <i>Biosensors and Bioelectronics</i> , 2018, 121, 205-222.	10.1	163
107	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.	7.3	50
108	Multi-functional groups of dithiocarbamate derivative assembly on gold nanoparticles for competitive detection of diafenthuron. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 796-805.	7.8	20

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109	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.	4.7	12
110	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.	7.8	36
111	Nanomaterial-based electrochemical sensors for arsenic - A review. <i>Biosensors and Bioelectronics</i> , 2017, 95, 106-116.	10.1	157
112	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.	7.8	41
113	Microwave assisted synthesis of tyrosine protected gold nanoparticles for dual (colorimetric and) Tj ETQq1 1 0.784314 rgBT /Overloc <i>Bioelectronics</i> , 2017, 88, 71-77.	10.1	75
114	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.	2.5	70
115	Synthesis of Water Dispersible Fluorescent Carbon Nanocrystals from <i>Syzygium cumini</i> Fruits for the Detection of Fe ³⁺ Ion in Water and Biological Samples and Imaging of <i>Fusarium avenaceum</i> Cells. <i>Journal of Fluorescence</i> , 2017, 27, 125-134.	2.5	35
116	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.		0
117	Plasmonic nanoparticles and quantum dots in the identification of inorganic and organic contaminants in food samples. , 2017, , 677-711.		0
118	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.	1.1	20
119	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.	7.8	41
120	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.	3.6	40
121	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.	7.8	53
122	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.	7.8	22
123	Fluorescent carbon dots derived from vancomycin for flutamide drug delivery and cell imaging. <i>New Journal of Chemistry</i> , 2016, 40, 7075-7083.	2.8	35
124	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.	3.6	18
125	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.	10.1	101
126	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.	3.6	113

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127	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.	3.6	29
128	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.	2.8	44
129	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.	7.8	56
130	One-step synthesis of fluorescent carbon dots for imaging bacterial and fungal cells. <i>Analytical Methods</i> , 2015, 7, 2373-2378.	2.7	113
131	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.	3.6	24
132	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.	7.8	65
133	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.	7.8	394
134	Imaging of Bacterial and Fungal Cells Using Fluorescent Carbon Dots Prepared from Carica papaya Juice. <i>Journal of Fluorescence</i> , 2015, 25, 803-810.	2.5	137
135	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.	7.8	63
136	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.	3.6	35
137	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.	3.6	23
138	Ionic liquids in bioanalysis. <i>Bioanalysis</i> , 2015, 7, 2251-2264.	1.5	8
139	Analytical applications of nanoparticles in MALDI-MS for bioanalysis. <i>Bioanalysis</i> , 2015, 7, 2265-2276.	1.5	11
140	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.	1.5	25
141	Ascorbic acid-functionalized Ag NPs as a probe for colorimetric sensing of glutathione. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 747-753.	3.1	21
142	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.	11.4	57
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