Ana Maria Craciun

List of Publications by Year
in descending order

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59 papers	1,780 citations	279798 23 h-index	276875 41 g-index
60 all docs	60 docs citations	60 times ranked	3402 citing authors

#	Article	IF	Citations
1	Chitosan-coated triangular silver nanoparticles as a novel class of biocompatible, highly effective photothermal transducers for in vitro cancer cell therapy. Cancer Letters, 2011, 311, 131-140.	7.2	277
2	Solution-phase, dual LSPR-SERS plasmonic sensors of high sensitivity and stability based on chitosan-coated anisotropic silver nanoparticles. Journal of Materials Chemistry, 2011, 21, 3625.	6.7	132
3	Gold Nanorods Performing as Dual-Modal Nanoprobes via Metal-Enhanced Fluorescence (MEF) and Surface-Enhanced Raman Scattering (SERS). Journal of Physical Chemistry C, 2012, 116, 12240-12249.	3.1	121
4	Localized surface plasmon resonance (LSPR) and surface-enhanced Raman scattering (SERS) studies of 4-aminothiophenol adsorption on gold nanorods. Journal of Molecular Structure, 2011, 993, 420-424.	3.6	87
5	Photodynamic therapy and two-photon bio-imaging applications of hydrophobic chromophores through amphiphilic polymer delivery. Photochemical and Photobiological Sciences, 2011, 10, 1216-1225.	2.9	74
6	IR780-dye loaded gold nanoparticles as new near infrared activatable nanotheranostic agents for simultaneous photodynamic and photothermal therapy and intracellular tracking by surface enhanced resonant Raman scattering imaging. Journal of Colloid and Interface Science, 2018, 517, 239-250.	9.4	61
7	Synthesis of PEGylated gold nanostars and bipyramids for intracellular uptake. Nanotechnology, 2012, 23, 465602.	2.6	58
8	Transparent Plasmonic Nanocontainers Protect Organic Fluorophores against Photobleaching. Nano Letters, 2011, 11, 2043-2047.	9.1	53
9	Flexible and Tunable 3D Gold Nanocups Platform as Plasmonic Biosensor for Specific Dual LSPR-SERS Immuno-Detection. Scientific Reports, 2017, 7, 14240.	3.3	43
10	Gold NanoBipyramids Performing as Highly Sensitive Dual-Modal Optical Immunosensors. Analytical Chemistry, 2018, 90, 8567-8575.	6.5	43
11	Localized Surface Plasmon Resonance (LSPR) Biosensor for the Protein Detection. Plasmonics, 2013, 8, 699-704.	3.4	42
12	Antibody Conjugated, Raman Tagged Hollow Goldâ€“Silver Nanospheres for Specific Targeting and Multimodal Dark-Field/SERS/Two Photon-FLIM Imaging of CD19(+) B Lymphoblasts. ACS Applied Materials & Interfaces, 2017, 9, 21155-21168.	8.0	41
13	Folic acid functionalized gold nanoclusters for enabling targeted fluorescence imaging of human ovarian cancer cells. Talanta, 2021, 225, 121960.	5.5	41
14	Designing Theranostic Agents Based on Pluronic Stabilized Gold Nanoaggregates Loaded with Methylene Blue for Multimodal Cell Imaging and Enhanced Photodynamic Therapy. ACS Applied Materials & Interfaces, 2015, 7, 16191-16201.	8.0	39
15	A simple and efficient design to improve the detection of biotin-streptavidin interaction with plasmonic nanobiosensors. Biosensors and Bioelectronics, 2016, 86, 728-735.	10.1	36
16	Enhancing the Photoluminescence Emission of Conjugated MEH-PPV by Light Processing. ACS Applied Materials & Interfaces, 2014, 6, 4974-4979.	8.0	35
17	Covalent conjugation of carbon dots with Rhodamine B and assessment of their photophysical properties. RSC Advances, 2015, 5, 77662-77669.	3.6	34
18	Surface Plasmon Resonance or Biocompatibilityâ€”Key Properties for Determining the Applicability of Noble Metal Nanoparticles. Materials, 2017, 10, 836.	2.9	32

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19	Surface passivation of carbon nanoparticles with p-phenylenediamine towards photoluminescent carbon dots. RSC Advances, 2016, 6, 56944-56951.	3.6	30
20	Intracellular Dynamic Disentangling of Doxorubicin Release from Luminescent Nanogold Carriers by Fluorescence Lifetime Imaging Microscopy (FLIM) under Two-Photon Excitation. ACS Applied Materials & Interfaces, 2019, 11, 7812-7822.	8.0	30
21	Controlling the Luminescence of Carboxyl-Functionalized CdSe/ZnS Coreâ€“Shell Quantum Dots in Solution by Binding with Gold Nanorods. Journal of Physical Chemistry C, 2014, 118, 25190-25199.	3.1	28
22	Enhanced thermal stability of gelatin coated gold nanorods in water solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 9-13.	4.7	26
23	Hybrid plasmonic platforms based on silica-encapsulated gold nanorods as effective spectroscopic enhancers for Raman and fluorescence spectroscopy. Nanotechnology, 2012, 23, 485706.	2.6	24
24	Carboplatin-Loaded, Raman-Encoded, Chitosan-Coated Silver Nanotriangles as Multimodal Traceable Nanotherapeutic Delivery Systems and pH Reporters inside Human Ovarian Cancer Cells. ACS Applied Materials & Interfaces, 2017, 9, 32565-32576.	8.0	24
25	Emission properties of MEH-PPV in thin films simultaneously illuminated and annealed at different temperatures. Synthetic Metals, 2015, 199, 33-36.	3.9	23
26	Fabrication of highly active and cost effective SERS plasmonic substrates by electrophoretic deposition of gold nanoparticles on a DVD template. Applied Surface Science, 2015, 349, 190-195.	6.1	22
27	Revealing the structure and functionality of graphene oxide and reduced graphene oxide/pyrene carboxylic acid interfaces by correlative spectral and imaging analysis. Physical Chemistry Chemical Physics, 2017, 19, 16038-16046.	2.8	22
28	Riboflavin enhanced fluorescence of highly reduced graphene oxide. Chemical Physics Letters, 2013, 586, 127-131.	2.6	21
29	Easy and cheap fabrication of ordered pyramidal-shaped plasmonic substrates for detection and quantitative analysis using surface-enhanced Raman spectroscopy. Analyst, The, 2013, 138, 4975.	3.5	18
30	Two-photon fabrication of three-dimensional silver microstructures in microfluidic channels for volumetric surface-enhanced Raman scattering detection. Optical Materials Express, 2016, 6, 1587.	3.0	18
31	Formation of size and shape tunable gold nanoparticles in solution by bio-assisted synthesis with bovine serum albumin in native and denaturated state. Materials Chemistry and Physics, 2011, 129, 939-942.	4.0	17
32	LEDâ€activated methylene blueâ€loaded Pluronicâ€nanogold hybrids for in vitro photodynamic therapy. Journal of Biophotonics, 2013, 6, 950-959.	2.3	17
33	Surface-enhanced spectroscopy on plasmonic oligomers assembled by AFM nanoxerography. Nanoscale, 2015, 7, 2009-2022.	5.6	17
34	Assessment of the photothermal conversion efficiencies of tunable gold bipyramids under irradiation by two laser lines in a NIR biological window. Nanotechnology, 2019, 30, 405701.	2.6	17
35	Study of gold nanorodsâ€“protein interaction by localized surface plasmon resonance spectroscopy. Gold Bulletin, 2013, 46, 275-281.	2.4	16
36	Metallo complexes of meso-phenothiazinylporphyrins: Synthesis, linear and nonlinear optical properties. Dyes and Pigments, 2015, 123, 386-395.	3.7	15

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37	Probing cellular uptake and tracking of differently shaped gelatin-coated gold nanoparticles inside of ovarian cancer cells by two-photon excited photoluminescence analyzed by fluorescence lifetime imaging (FLIM). Colloids and Surfaces B: Biointerfaces, 2018, 166, 135-143.	5.0	15
38	Cardiac Troponin Biosensor Designs: Current Developments and Remaining Challenges. International Journal of Molecular Sciences, 2022, 23, 7728.	4.1	14
39	Synthesis and optical properties of dyes encapsulated in gold hollow nanoshells. Optical Materials, 2011, 33, 1377-1381.	3.6	13
40	Novel paper-based sensing platform using photoluminescent gold nanoclusters for easy, sensitive and selective naked-eye detection of Cu2+. Journal of Molecular Structure, 2021, 1244, 130990.	3.6	13
41	Designing Efficient Low-Cost Paper-Based Sensing Plasmonic Nanoplatforms. Sensors, 2018, 18, 3035.	3.8	12
42	Multimodal Biosensing on Paper-Based Platform Fabricated by Plasmonic Calligraphy Using Gold Nanobypiramids Ink. Frontiers in Chemistry, 2019, 7, 55.	3.6	12
43	One-photon excited photoluminescence of gold nanospheres and its application in prostate specific antigen detection via fluorescence correlation spectroscopy (FCS). Talanta, 2021, 228, 122242.	5.5	9
44	Enhanced one- and two-photon excited fluorescence of cationic (phenothiazinyl)vinyl-pyridinium chromophore attached to polyelectrolyte-coated gold nanorods. Dyes and Pigments, 2017, 136, 24-30.	3.7	8
45	Pluronic stabilized conjugated polymer nanoparticles for NIR fluorescence imaging and dual phototherapy applications. Journal of Molecular Structure, 2021, 1243, 130931.	3.6	8
46	Polymer-coated plasmonic nanoparticles for environmental remediation: Synthesis, functionalization, and properties. , 2018, , 361-387.		5
47	Surface-enhanced fluorescence imaging on linear arrays of plasmonic half-shells. Journal of Chemical Physics, 2020, 153, 164701.	3.0	5
48	Gold nanoclusters performing as contrast agents for non-invasive imaging of tissue-like phantoms via two-photon excited fluorescence lifetime imaging. Analyst, The, 2021, 146, 7126-7130.	3.5	5
49	Steady-state and time-resolved fluorescence studies on the conjugation of Rose Bengal to gold nanorods. Journal of Molecular Structure, 2014, 1073, 97-101.	3.6	4
50	Microfluidic platform for integrated plasmonic detection in laminal flow. Nanotechnology, 2020, 31, 335502.	2.6	4
51	Novel (Phenothiazinyl)Vinyl-Pyridinium Dyes and Their Potential Applications as Cellular Staining Agents. International Journal of Molecular Sciences, 2021, 22, 2985.	4.1	4
52	Intrinsic Photoluminescence of Solid-State Gold Nanoclusters: Towards Fluorescence Lifetime Imaging of Tissue-Like Phantoms Under Two-Photon Near-Infrared Excitation. Frontiers in Chemistry, 2021, 9, 761711.	3.6	4
53	New fluorescent phenothiazine carboxylates for fluorescent nanomaterials. Journal of Molecular Structure, 2021, 1246, 131174.	3.6	3
54	Controlled fluorescence manipulation by core-shell multilayer of spherical gold nanoparticles: Theoretical and experimental evaluation. Journal of Molecular Structure, 2021, 1244, 130950.	3.6	2

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55	Probing polyvinylpyrrolidone-passivated graphene oxide nanoflakes as contrast agents inside tissue-like phantoms via multimodal confocal microscopy. Talanta, 2022, 247, 123581.	5.5	2
56	Two-photon excited photoluminescence lifetime imaging studies on individual gelatin-coated gold nanorods. Journal of Molecular Structure, 2021, 1243, 130785.	3.6	1
57	Optical properties of new 5- (phenothiazinyl)methylidenebarbituric acid derivatives. Journal of Molecular Structure, 2022, 1247, 131334.	3.6	1
58	Surface passivation of carbon nanoparticles with 1,2-phenylenediamine towards photoluminescent carbon dots. Revue Roumaine De Chimie, 2020, 65, 559-566.	0.2	1
59	Ultrabright and bleaching-resistant hybrid gold nanoparticles for confocal and two-photon fluorecence imaging. Proceedings of SPIE, 2014, , .	0.8	0