Monica Potara

List of Publications by Year in descending order

45 papers	1,828 citations	304368 22 h-index	276539 41 g-index
46 all docs	46 docs citations	46 times ranked	3503 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.	3.2	277
2	Synergistic antibacterial activity of chitosanâ€“silver nanocomposites onStaphylococcus aureus. Nanotechnology, 2011, 22, 135101.	1.3	180
3	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
4	Folic Acid-Conjugated, SERS-Labeled Silver Nanotriangles for Multimodal Detection and Targeted Photothermal Treatment on Human Ovarian Cancer Cells. Molecular Pharmaceutics, 2014, 11, 391-399.	2.3	117
5	Chitosan-coated anisotropic silver nanoparticles as a SERS substrate for single-molecule detection. Nanotechnology, 2012, 23, 055501.	1.3	97
6	Doxorubicin-Incorporated Nanotherapeutic Delivery System Based on Gelatin-Coated Gold Nanoparticles: Formulation, Drug Release, and Multimodal Imaging of Cellular Internalization. ACS Applied Materials & Interfaces, 2016, 8, 22900-22913.	4.0	87
7	The synthesis of biocompatible and SERS-active gold nanoparticles using chitosan. Nanotechnology, 2009, 20, 315602.	1.3	81
8	Chitosan-coated triangular silver nanoparticles as a novel class of biocompatible, highly sensitive plasmonic platforms for intracellular SERS sensing and imaging. Nanoscale, 2013, 5, 6013.	2.8	65
9	Designing chitosanâ€“silver nanoparticlesâ€“graphene oxide nanohybrids with enhanced antibacterial activity against Staphylococcus aureus. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 113-120.	2.3	62
10	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.	5.0	61
11	Uptake and biological effects of chitosan-capped gold nanoparticles on Chinese Hamster Ovary cells. Materials Science and Engineering C, 2011, 31, 184-189.	3.8	53
12	Biosynthesized silver nanoparticles performing as biogenic SERS-nanotags for investigation of C26 colon carcinoma cells. Colloids and Surfaces B: Biointerfaces, 2015, 133, 296-303.	2.5	47
13	Flexible and Tunable 3D Gold Nanocups Platform as Plasmonic Biosensor for Specific Dual LSPR-SERS Immuno-Detection. Scientific Reports, 2017, 7, 14240.	1.6	43
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.	4.0	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.	5.3	36
16	Efficient combined near-infrared-triggered therapy: Phototherapy over chemotherapy in chitosan-reduced graphene oxide-IR820 dye-doxorubicin nanoplatforms. Journal of Colloid and Interface Science, 2019, 552, 218-229.	5.0	35
17	Optical properties of single silver triangular nanoprism. Physica Scripta, 2012, 86, 055702.	1.2	32
18	Folate-targeted Pluronic-chitosan nanocapsules loaded with IR780 for near-infrared fluorescence imaging and photothermal-photodynamic therapy of ovarian cancer. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111755.	2.5	31

#	Article	IF	Citations
19	Fabrication of goldâ€“silver coreâ€“shell nanoparticles for performing as ultrabright SERS-nanotags inside human ovarian cancer cells. Nanotechnology, 2019, 30, 315701.	1.3	25
20	Pluronic-coated silver nanoprisms: Synthesis, characterization and their antibacterial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 77-83.	2.3	24
21	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.	4.0	24
22	Reliable plasmonic substrates for bioanalytical SERS applications easily prepared by convective assembly of gold nanocolloids. Analyst, The, 2013, 138, 546-552.	1.7	22
23	Comparative evaluation by scanning confocal Raman spectroscopy and transmission electron microscopy of therapeutic effects of noble metal nanoparticles in experimental acute inflammation. RSC Advances, 2015, 5, 67435-67448.	1.7	22
24	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.	1.3	22
25	Casting Light on Intracellular Tracking of a New Functional Graphene-Based MicroRNA Delivery System by FLIM and Raman Imaging. ACS Applied Materials & Interfaces, 2019, 11, 46101-46111.	4.0	21
26	Evaluation of physico-chemical properties and biocompatibility of new surface functionalized Fe3O4 clusters of nanoparticles. Applied Surface Science, 2020, 501, 144267.	3.1	21
27	Trojan horse treatment based on PEG-coated extracellular vesicles to deliver doxorubicin to melanoma in vitro and in vivo. Cancer Biology and Therapy, 2022, 23, 1-16.	1.5	21
28	SERS characterization of aggregated and isolated bacteria deposited on silver-based substrates. Analytical and Bioanalytical Chemistry, 2021, 413, 1417-1428.	1.9	18
29	The pulmonary toxicity of carboxylated or aminated multi-walled carbon nanotubes in mice is determined by the prior purification method. Particle and Fibre Toxicology, 2020, 17, 60.	2.8	17
30	Gold Nanoparticles Synthesized with a Polyphenols-Rich Extract from Cornelian Cherry (Cornus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	16
31	Intracellular Fate and Impact on Gene Expression of Doxorubicin/Cyclodextrin-Graphene Nanomaterials at Sub-Toxic Concentration. International Journal of Molecular Sciences, 2020, 21, 4891.	1.8	16
32	Biosynthesis of silver nanoparticles using Sambucus nigra L. fruit extract for targeting cell death in oral dysplastic cells. Materials Science and Engineering C, 2021, 123, 111974.	3.8	16
33	Multiscale electromagnetic SERS enhancement on selfâ€assembled micropatterned gold nanoparticle films. Journal of Raman Spectroscopy, 2014, 45, 627-635.	1.2	14
34	New insight into the aptamer conformation and aptamer/protein interaction by surface-enhanced Raman scattering and multivariate statistical analysis. Nanoscale, 2021, 13, 12443-12453.	2.8	11
35	Linezolid nanoAntiobiotics and SERS-nanoTags based on polymeric cyclodextrin bimetallic core-shell nanoarchitectures. Carbohydrate Polymers, 2022, 293, 119736.	5.1	9
36	Novel Strategies for the Improvement of Stem Cellsâ€™ Transplantation in Degenerative Retinal Diseases. Stem Cells International, 2016, 2016, 1-9.	1.2	8

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37	Recent advances on the development of plasmon-assisted biosensors for detection of C-reactive protein. Journal of Molecular Structure, 2021, 1246, 131178.	1.8	7
38	Polymer-coated plasmonic nanoparticles for environmental remediation: Synthesis, functionalization, and properties. , 2018, , 361-387.		5
39	Fabrication of stable network-like gold nanostructures in solution and their assessment as efficient NIR-SERS platforms for organic pollutants detection. Materials Research Bulletin, 2015, 64, 267-273.	2.7	3
40	Advanced nanostructures for microbial contaminants detection by means of spectroscopic methods. , 2020, , 347-384.		3
41	Viburnum opulus fruit extract-capped gold nanoparticles attenuated oxidative stress and acute inflammation in carrageenan-induced paw edema model. Green Chemistry Letters and Reviews, 2022, 15, 320-336.	2.1	3
42	CHAPTER 17. Detection of Environmental Pollutants by Surface-Enhanced Raman Spectroscopy. RSC Detection Science, 0, , 477-503.	0.0	2
43	Stratified diffusion of HOD-D2O inside COOH- and NH2-functionalized multi-walled carbon nanotubes studied by NMR spectroscopy. Journal of Molecular Structure, 2022, 1249, 131653.	1.8	2
44	Chitosan-capped gold nanoparticles impair radioresistant glioblastoma stem-like cells. Annals of Oncology, 2017, 28, v114.	0.6	1
45	Adsorption of trans â€•and cis â€Resveratrol on Graphene. Physica Status Solidi (B): Basic Research, 2019, 256, 1800335.	0.7	0