

Monica Potara

List of Publications by Citations

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44
papers

1,424
citations

20
h-index

37
g-index

46
ext. papers

1,618
ext. citations

5.7
avg. IF

4.52
L-index

#	Paper	IF	Citations
44	Chitosan-coated triangular silver nanoparticles as a novel class of biocompatible, highly effective photothermal transducers for in vitro cancer cell therapy. <i>Cancer Letters</i> , 2011 , 311, 131-40	9.9	233
43	Synergistic antibacterial activity of chitosan-silver nanocomposites on Staphylococcus aureus. <i>Nanotechnology</i> , 2011 , 22, 135101	3.4	146
42	Solution-phase, dual LSPR-SERS plasmonic sensors of high sensitivity and stability based on chitosan-coated anisotropic silver nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3625		118
41	Folic acid-conjugated, SERS-labeled silver nanotriangles for multimodal detection and targeted photothermal treatment on human ovarian cancer cells. <i>Molecular Pharmaceutics</i> , 2014 , 11, 391-9	5.6	96
40	Chitosan-coated anisotropic silver nanoparticles as a SERS substrate for single-molecule detection. <i>Nanotechnology</i> , 2012 , 23, 055501	3.4	82
39	The synthesis of biocompatible and SERS-active gold nanoparticles using chitosan. <i>Nanotechnology</i> , 2009 , 20, 315602	3.4	74
38	Doxorubicin-Incorporated Nanotherapeutic Delivery System Based on Gelatin-Coated Gold Nanoparticles: Formulation, Drug Release, and Multimodal Imaging of Cellular Internalization. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22900-13	9.5	64
37	Chitosan-coated triangular silver nanoparticles as a novel class of biocompatible, highly sensitive plasmonic platforms for intracellular SERS sensing and imaging. <i>Nanoscale</i> , 2013 , 5, 6013-22	7.7	54
36	Uptake and biological effects of chitosan-capped gold nanoparticles on Chinese Hamster Ovary cells. <i>Materials Science and Engineering C</i> , 2011 , 31, 184-189	8.3	49
35	Designing chitosan-silver nanoparticles-graphene oxide nanohybrids with enhanced antibacterial activity against Staphylococcus aureus. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 487, 113-120	5.1	45
34	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. <i>Journal of Colloid and Interface Science</i> , 2018 , 517, 239-250	9.3	45
33	Biosynthesized silver nanoparticles performing as biogenic SERS-nanotags for investigation of C26 colon carcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 296-303	6	42
32	Flexible and Tunable 3D Gold Nanocups Platform as Plasmonic Biosensor for Specific Dual LSPR-SERS Immuno-Detection. <i>Scientific Reports</i> , 2017 , 7, 14240	4.9	37
31	Designing Theranostic Agents Based on Pluronic Stabilized Gold Nanoaggregates Loaded with Methylene Blue for Multimodal Cell Imaging and Enhanced Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16191-201	9.5	33
30	Optical properties of single silver triangular nanoprism. <i>Physica Scripta</i> , 2012 , 86, 055702	2.6	29
29	A simple and efficient design to improve the detection of biotin-streptavidin interaction with plasmonic nanobiosensors. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 728-735	11.8	28
28	Efficient combined near-infrared-triggered therapy: Phototherapy over chemotherapy in chitosan-reduced graphene oxide-IR820 dye-doxorubicin nanoplatforms. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 218-229	9.3	21

27	Carboplatin-Loaded, Raman-Encoded, Chitosan-Coated Silver Nanotriangles as Multimodal Traceable Nanotherapeutic Delivery Systems and pH Reporters inside Human Ovarian Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32565-32576	9.5	21
26	Pluronic-coated silver nanoprisms: Synthesis, characterization and their antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 441, 77-83	5.1	21
25	Revealing the structure and functionality of graphene oxide and reduced graphene oxide/pyrene carboxylic acid interfaces by correlative spectral and imaging analysis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16038-16046	3.6	20
24	Comparative evaluation by scanning confocal Raman spectroscopy and transmission electron microscopy of therapeutic effects of noble metal nanoparticles in experimental acute inflammation. <i>RSC Advances</i> , 2015 , 5, 67435-67448	3.7	19
23	Fabrication of gold-silver core-shell nanoparticles for performing as ultrabright SERS-nanotags inside human ovarian cancer cells. <i>Nanotechnology</i> , 2019 , 30, 315701	3.4	17
22	Reliable plasmonic substrates for bioanalytical SERS applications easily prepared by convective assembly of gold nanocolloids. <i>Analyst, The</i> , 2013 , 138, 546-52	5	17
21	Gold Nanoparticles Synthesized with a Polyphenols-Rich Extract from Cornelian Cherry (Cornus mas) Fruits: Effects on Human Skin Cells. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-13	3.2	14
20	Casting Light on Intracellular Tracking of a New Functional Graphene-Based MicroRNA Delivery System by FLIM and Raman Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46101-46111	9.5	14
19	Intracellular Fate and Impact on Gene Expression of Doxorubicin/Cyclodextrin-Graphene Nanomaterials at Sub-Toxic Concentration. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
18	Multiscale electromagnetic SERS enhancement on self-assembled micropatterned gold nanoparticle films. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 627-635	2.3	11
17	Evaluation of physico-chemical properties and biocompatibility of new surface functionalized Fe ₃ O ₄ clusters of nanoparticles. <i>Applied Surface Science</i> , 2020 , 501, 144267	6.7	8
16	Biosynthesis of silver nanoparticles using Sambucus nigra L. fruit extract for targeting cell death in oral dysplastic cells. <i>Materials Science and Engineering C</i> , 2021 , 123, 111974	8.3	7
15	Folate-targeted Pluronic-chitosan nanocapsules loaded with IR780 for near-infrared fluorescence imaging and photothermal-photodynamic therapy of ovarian cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 203, 111755	6	7
14	SERS characterization of aggregated and isolated bacteria deposited on silver-based substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 1417-1428	4.4	7
13	Novel Strategies for the Improvement of Stem Cells Transplantation in Degenerative Retinal Diseases. <i>Stem Cells International</i> , 2016 , 2016, 1236721	5	6
12	The pulmonary toxicity of carboxylated or aminated multi-walled carbon nanotubes in mice is determined by the prior purification method. <i>Particle and Fibre Toxicology</i> , 2020 , 17, 60	8.4	5
11	Trojan horse treatment based on PEG-coated extracellular vesicles to deliver doxorubicin to melanoma and .. <i>Cancer Biology and Therapy</i> , 2021 , 1-16	4.6	5
10	Advanced nanostructures for microbial contaminants detection by means of spectroscopic methods 2020 , 347-384		3

9	Polymer-coated plasmonic nanoparticles for environmental remediation: Synthesis, functionalization, and properties 2018 , 361-387		3
8	Fabrication of stable network-like gold nanostructures in solution and their assessment as efficient NIR-SERS platforms for organic pollutants detection. <i>Materials Research Bulletin</i> , 2015 , 64, 267-273	5-1	3
7	CHAPTER 17:Detection of Environmental Pollutants by Surface-Enhanced Raman Spectroscopy. <i>RSC Detection Science</i> ,477-503	0-4	2
6	New insight into the aptamer conformation and aptamer/protein interaction by surface-enhanced Raman scattering and multivariate statistical analysis. <i>Nanoscale</i> , 2021 , 13, 12443-12453	7-7	2
5	Recent advances on the development of plasmon-assisted biosensors for detection of C-reactive protein. <i>Journal of Molecular Structure</i> , 2021 , 1246, 131178	3-4	2
4	Viburnum opulus fruit extract-capped gold nanoparticles attenuated oxidative stress and acute inflammation in carrageenan-induced paw edema model. <i>Green Chemistry Letters and Reviews</i> , 2022 , 15, 319-335	4-7	0
3	Plasmonic-Based SERS-Traceable Drug Nanocarriers in Cancer Theranostics 2019 , 159-198		
2	Stratified diffusion of HOD-D2O inside COOH- and NH2-functionalized multi-walled carbon nanotubes studied by NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2022 , 1249, 131653	3-4	
1	Adsorption of trans- and cis-Resveratrol on Graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1800335		1-3