

Raghuraman Kannan

List of Publications by Citations

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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.

27
papers

515
citations

13
h-index

22
g-index

29
ext. papers

608
ext. citations

5.4
avg, IF

3.55
L-index

#	Paper	IF	Citations
27	Nanocompatible chemistry toward fabrication of target-specific gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11342-3	16.4	78
26	A computational framework for interspecies pharmacokinetics, exposure and toxicity assessment of gold nanoparticles. <i>Nanomedicine</i> , 2016 , 11, 107-19	5.6	73
25	Gut Dysbiosis and Neurobehavioral Alterations in Rats Exposed to Silver Nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 2822	4.9	66
24	Gum arabic-coated radioactive gold nanoparticles cause no short-term local or systemic toxicity in the clinically relevant canine model of prostate cancer. <i>International Journal of Nanomedicine</i> , 2014 , 9, 5001-11	7.3	46
23	Functionalized radioactive gold nanoparticles in tumor therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 42-51	9.2	42
22	Bombesin peptide conjugated gold nanocages internalize via clathrin mediated endocytosis. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1565-79	6.3	35
21	Identification and Validation of a PD-L1 Binding Peptide for Determination of PDL1 Expression in Tumors. <i>Scientific Reports</i> , 2017 , 7, 13682	4.9	22
20	Targeted nanoconjugate co-delivering siRNA and tyrosine kinase inhibitor to KRAS mutant NSCLC dissociates GAB1-SHP2 post oncogene knockdown. <i>Scientific Reports</i> , 2016 , 6, 30245	4.9	21
19	Evaluation of accuracy dependence of Raman spectroscopic models on the ratio of calibration and validation points for non-invasive glucose sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 6469-6475 ¹⁹	4.4	19
18	Thione-gold nanoparticles interactions: Vroman-like effect, self-assembly and sensing. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22866		16
17	Laboratory Tests for COVID-19: A Review of Peer-Reviewed Publications and Implications for Clinical Use. <i>Missouri Medicine</i> , 2020 , 117, 184-195	0.8	15
16	Silencing AXL by covalent siRNA-gelatin-antibody nanoconjugate inactivates mTOR/EMT pathway and stimulates p53 for TKI sensitization in NSCLC. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 20, 102007	6	14
15	Design and synthesis of a bombesin peptide-conjugated tripodal phosphino dithioether ligand topology for the stabilization of the fac-[M(CO) ₃] ⁺ core (M=(99 m)Tc or Re). <i>Inorganic Chemistry</i> , 2011 , 50, 6210-9	5.1	13
14	DIETARY SILVER NANOPARTICLES REDUCE FITNESS IN A BENEFICIAL, BUT NOT PEST, INSECT SPECIES. <i>Archives of Insect Biochemistry and Physiology</i> , 2016 , 93, 190-201	2.3	11
13	Diabetic Retinopathy Screening Using a Gold Nanoparticle-Based Paper Strip Assay for the At-Home Detection of the Urinary Biomarker 8-Hydroxy-2-Deoxyguanosine. <i>American Journal of Ophthalmology</i> , 2020 , 213, 306-319	4.9	9
12	Developmental exposure to silver nanoparticles leads to long term gut dysbiosis and neurobehavioral alterations. <i>Scientific Reports</i> , 2021 , 11, 6558	4.9	7
11	Three-Dimensional Nanocomposites: Fluidics Driven Assembly of Metal Nanoparticles on Protein Nanostructures and Their Cell-Line-Dependent Intracellular Trafficking Pattern. <i>Langmuir</i> , 2016 , 32, 4877-85	4.85	6

10	Novel nanochemistry toward generation and stabilization of gold nanoparticles in human serum albumin matrix. <i>Pure and Applied Chemistry</i> , 2011 , 83, 2055-2062	2.1	5
9	A review on RNAi therapy for NSCLC: Opportunities and challenges. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1677	9.2	5
8	New Phosphorus Chemistry Leads to Unnatural Aminoacid Trimers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1587-1589	1	3
7	Wastewater Treatment Using Novel Magnetic Nanosponges. <i>Water (Switzerland)</i> , 2022 , 14, 505	3	3
6	Plate-Adherent Nanosubstrate for Improved ELISA of Small Molecules: A Proof of Concept Study. <i>Analytical Chemistry</i> , 2020 , 92, 10952-10956	7.8	3
5	Targeted Gold Nanoparticles for Imaging and Therapy173-189		1
4	Magnetic Iron Nanocubes Effectively Capture Epithelial and Mesenchymal Cancer Cells. <i>ACS Omega</i> , 2020 , 5, 23724-23735	3.9	1
3	A novel crosslinker-free technique toward the fabrication of collagen microspheres. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 2789-2798	3.5	0
2	Targeting HMGA protein inhibits retinoblastoma cell proliferation.. <i>RSC Advances</i> , 2018 , 8, 31510-31514	3.7	0
1	Engineering biomolecular systems: Controlling the self-assembly of gelatin to form ultra-small bioactive nanomaterials.. <i>Bioactive Materials</i> , 2022 , 18, 321-336	16.7	0