Raghuraman Kannan

List of Publications by Year
in descending order

28	703	623188	552369
papers	citations	14 h-index	26 g-index

29	29	29	1369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanocompatible Chemistry toward Fabrication of Target-Specific Gold Nanoparticles. Journal of the American Chemical Society, 2006, 128, 11342-11343.	6.6	91
2	A computational framework for interspecies pharmacokinetics, exposure and toxicity assessment of gold nanoparticles. Nanomedicine, 2016, 11, 107-119.	1.7	91
3	Gut Dysbiosis and Neurobehavioral Alterations in Rats Exposed to Silver Nanoparticles. Scientific Reports, 2017, 7, 2822.	1.6	91
4	Gum arabic-coated radioactive gold nanoparticles cause no short-term local or systemic toxicity in the clinically relevant canine model of prostate cancer. International Journal of Nanomedicine, 2014, 9, 5001.	3.3	58
5	Functionalized radioactive gold nanoparticles in tumor therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 42-51.	3.3	51
6	Bombesin Peptide Conjugated Gold Nanocages Internalize via Clathrin Mediated Endocytosis. Bioconjugate Chemistry, 2014, 25, 1565-1579.	1.8	37
7	Identification and Validation of a PD-L1 Binding Peptide for Determination of PDL1 Expression in Tumors. Scientific Reports, 2017, 7, 13682.	1.6	37
8	Evaluation of accuracy dependence of Raman spectroscopic models on the ratio of calibration and validation points for non-invasive glucose sensing. Analytical and Bioanalytical Chemistry, 2018, 410, 6469-6475.	1.9	25
9	Targeted nanoconjugate co-delivering siRNA and tyrosine kinase inhibitor to KRAS mutant NSCLC dissociates GAB1-SHP2 post oncogene knockdown. Scientific Reports, 2016, 6, 30245.	1.6	24
10	Silencing AXL by covalent siRNA-gelatin-antibody nanoconjugate inactivates mTOR/EMT pathway and stimulates p53 for TKI sensitization in NSCLC. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102007.	1.7	23
11	Developmental exposure to silver nanoparticles leads to long term gut dysbiosis and neurobehavioral alterations. Scientific Reports, 2021, 11, 6558.	1.6	22
12	Thioneâ€“gold nanoparticles interactions: Vroman-like effect, self-assembly and sensing. Journal of Materials Chemistry, 2012, 22, 22866.	6.7	19
13	Laboratory Tests for COVID-19: A Review of Peer-Reviewed Publications and Implications for Clinical Use. Missouri Medicine, 2020, 117, 184-195.	0.3	17
14	Design and Synthesis of a Bombesin Peptide-Conjugated Tripodal Phosphino Dithioether Ligand Topology for the Stabilization of the fac-[M(CO)₃]⁺ Core (M = <sup>99) Tj ETQq1 1 0 rgBT /Overlock	1.0	16
15	DIETARY SILVER NANOPARTICLES REDUCE FITNESS IN A BENEFICIAL, BUT NOT PEST, INSECT SPECIES. Archives of Insect Biochemistry and Physiology, 2016, 93, 190-201.	0.6	16
16	Diabetic Retinopathy Screening Using a Gold Nanoparticleâ€“Based Paper Strip Assay for the At-Home Detection of the Urinary Biomarker 8-Hydroxy-2â€²-Deoxyguanosine. American Journal of Ophthalmology, 2020, 213, 306-319.	1.7	15
17	A review on <scp>RNAi</scp> therapy for <scp>NSCLC</scp>: Opportunities and challenges. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1677.	3.3	15
18	Wastewater Treatment Using Novel Magnetic Nanosponges. Water (Switzerland), 2022, 14, 505.	1.2	12

#	Article	IF	Citations
19	Engineering biomolecular systems: Controlling the self-assembly of gelatin to form ultra-small bioactive nanomaterials. Bioactive Materials, 2022, 18, 321-336.	8.6	9
20	Three-Dimensional Nanocomposites: Fluidics Driven Assembly of Metal Nanoparticles on Protein Nanostructures and Their Cell-Line-Dependent Intracellular Trafficking Pattern. Langmuir, 2016, 32, 4877-4885.	1.6	7
21	Novel nanochemistry toward generation and stabilization of gold nanoparticles in human serum albumin matrix. Pure and Applied Chemistry, 2011, 83, 2055-2062.	0.9	5
22	New Phosphorus Chemistry Leads to Unnatural Aminoacid Trimers. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1587-1589.	0.8	4
23	Targeted Gold Nanoparticles for Imaging and Therapy. , 0, , 173-189.		4
24	Plate-Adherent Nanosubstrate for Improved ELISA of Small Molecules: A Proof of Concept Study. Analytical Chemistry, 2020, 92, 10952-10956.	3.2	4
25	Targeting HMGA protein inhibits retinoblastoma cell proliferation. RSC Advances, 2018, 8, 31510-31514.	1.7	3
26	A novel crosslinkerâ€free technique toward the fabrication of collagen microspheres. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2789-2798.	1.6	3
27	Magnetic Iron Nanocubes Effectively Capture Epithelial and Mesenchymal Cancer Cells. ACS Omega, 2020, 5, 23724-23735.	1.6	2
28	Controlled assembly of gold and albumin nanoparticles to form hybrid multimeric nanomaterials. Polymers for Advanced Technologies, 2022, 33, 566-575.	1.6	1