

# Raghuraman Kannan

## List of Publications by Year in Descending Order

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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	Wastewater Treatment Using Novel Magnetic Nanosponges. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 505	3	3
26	Engineering biomolecular systems: Controlling the self-assembly of gelatin to form ultra-small bioactive nanomaterials.. <i>Bioactive Materials</i> , <b>2022</b> , 18, 321-336	16.7	0
25	Developmental exposure to silver nanoparticles leads to long term gut dysbiosis and neurobehavioral alterations. <i>Scientific Reports</i> , <b>2021</b> , 11, 6558	4.9	7
24	A review on RNAi therapy for NSCLC: Opportunities and challenges. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , 13, e1677	9.2	5
23	A novel crosslinker-free technique toward the fabrication of collagen microspheres. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2020</b> , 108, 2789-2798	3.5	0
22	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> , <b>2020</b> , 213, 306-319	4.9	9
21	Laboratory Tests for COVID-19: A Review of Peer-Reviewed Publications and Implications for Clinical Use. <i>Missouri Medicine</i> , <b>2020</b> , 117, 184-195	0.8	15
20	Magnetic Iron Nanocubes Effectively Capture Epithelial and Mesenchymal Cancer Cells. <i>ACS Omega</i> , <b>2020</b> , 5, 23724-23735	3.9	1
19	Plate-Adherent Nanosubstrate for Improved ELISA of Small Molecules: A Proof of Concept Study. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10952-10956	7.8	3
18	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> , <b>2019</b> , 20, 102007	6	14
17	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> , <b>2018</b> , 410, 6469-6475 <sup>19</sup>	4.4	19
16	Targeting HMGA protein inhibits retinoblastoma cell proliferation.. <i>RSC Advances</i> , <b>2018</b> , 8, 31510-31514	3.7	0
15	Identification and Validation of a PD-L1 Binding Peptide for Determination of PDL1 Expression in Tumors. <i>Scientific Reports</i> , <b>2017</b> , 7, 13682	4.9	22
14	Gut Dysbiosis and Neurobehavioral Alterations in Rats Exposed to Silver Nanoparticles. <i>Scientific Reports</i> , <b>2017</b> , 7, 2822	4.9	66
13	Targeted nanoconjugate co-delivering siRNA and tyrosine kinase inhibitor to KRAS mutant NSCLC dissociates GAB1-SHP2 post oncogene knockdown. <i>Scientific Reports</i> , <b>2016</b> , 6, 30245	4.9	21
12	A computational framework for interspecies pharmacokinetics, exposure and toxicity assessment of gold nanoparticles. <i>Nanomedicine</i> , <b>2016</b> , 11, 107-19	5.6	73
11	Three-Dimensional Nanocomposites: Fluidics Driven Assembly of Metal Nanoparticles on Protein Nanostructures and Their Cell-Line-Dependent Intracellular Trafficking Pattern. <i>Langmuir</i> , <b>2016</b> , 32, 4877-85	4.85	6

10	DIETARY SILVER NANOPARTICLES REDUCE FITNESS IN A BENEFICIAL, BUT NOT PEST, INSECT SPECIES. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2016</b> , 93, 190-201	2.3	11
9	Bombesin peptide conjugated gold nanocages internalize via clathrin mediated endocytosis. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 1565-79	6.3	35
8	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> , <b>2014</b> , 9, 5001-11	7.3	46
7	Thione-gold nanoparticles interactions: Vroman-like effect, self-assembly and sensing. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22866		16
6	Functionalized radioactive gold nanoparticles in tumor therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2012</b> , 4, 42-51	9.2	42
5	Design and synthesis of a bombesin peptide-conjugated tripodal phosphino dithioether ligand topology for the stabilization of the fac-[M(CO) <sub>3</sub> ] <sup>+</sup> core (M=(99 m)Tc or Re). <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6210-9	5.1	13
4	Novel nanochemistry toward generation and stabilization of gold nanoparticles in human serum albumin matrix. <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 2055-2062	2.1	5
3	Nanocompatible chemistry toward fabrication of target-specific gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11342-3	16.4	78
2	New Phosphorus Chemistry Leads to Unnatural Aminoacid Trimers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2002</b> , 177, 1587-1589	1	3
1	Targeted Gold Nanoparticles for Imaging and Therapy 173-189		1