

# Pratap C Naha

## List of Publications by Year in descending order

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44  
papers

3,044  
citations

147801

31  
h-index

302126

39  
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44  
all docs

44  
docs citations

44  
times ranked

4702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle contrast agents for computed tomography: a focus on micelles. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 37-52.	0.8	268
2	Dextran-Coated Iron Oxide Nanoparticles as Biomimetic Catalysts for Localized and pH-Activated Biofilm Disruption. <i>ACS Nano</i> , 2019, 13, 4960-4971.	14.6	243
3	Nanocatalysts promote <i>Streptococcus mutans</i> biofilm matrix degradation and enhance bacterial killing to suppress dental caries in vivo. <i>Biomaterials</i> , 2016, 101, 272-284.	11.4	236
4	Reactive oxygen species (ROS) induced cytokine production and cytotoxicity of PAMAM dendrimers in J774A.1 cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 246, 91-99.	2.8	186
5	Effect of Gold Nanoparticle Size on Their Properties as Contrast Agents for Computed Tomography. <i>Scientific Reports</i> , 2019, 9, 14912.	3.3	157
6	Topical ferumoxytol nanoparticles disrupt biofilms and prevent tooth decay in vivo via intrinsic catalytic activity. <i>Nature Communications</i> , 2018, 9, 2920.	12.8	129
7	Lipoproteins and lipoprotein mimetics for imaging and drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 116-131.	13.7	115
8	Multicolor spectral photon-counting computed tomography: in vivo dual contrast imaging with a high count rate scanner. <i>Scientific Reports</i> , 2017, 7, 4784.	3.3	115
9	Labeling monocytes with gold nanoparticles to track their recruitment in atherosclerosis with computed tomography. <i>Biomaterials</i> , 2016, 87, 93-103.	11.4	113
10	Dextran coated bismuth-iron oxide nanohybrid contrast agents for computed tomography and magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8239-8248.	5.8	102
11	Synthesis, X-ray Opacity, and Biological Compatibility of Ultra-High Payload Elemental Bismuth Nanoparticle X-ray Contrast Agents. <i>Chemistry of Materials</i> , 2014, 26, 2266-2274.	6.7	100
12	Evaluation of spectral photon counting computed tomography K-edge imaging for determination of gold nanoparticle biodistribution in vivo. <i>Nanoscale</i> , 2017, 9, 18246-18257.	5.6	89
13	Dextran-Coated Cerium Oxide Nanoparticles: A Computed Tomography Contrast Agent for Imaging the Gastrointestinal Tract and Inflammatory Bowel Disease. <i>ACS Nano</i> , 2020, 14, 10187-10197.	14.6	89
14	Gold silver alloy nanoparticles (GSAN): an imaging probe for breast cancer screening with dual-energy mammography or computed tomography. <i>Nanoscale</i> , 2016, 8, 13740-13754.	5.6	84
15	Intracellular localisation, geno- and cytotoxic response of polyN-isopropylacrylamide (PNIPAM) nanoparticles to human keratinocyte (HaCaT) and colon cells (SW 480). <i>Toxicology Letters</i> , 2010, 198, 134-143.	0.8	80
16	Systematic in vitro toxicological screening of gold nanoparticles designed for nanomedicine applications. <i>Toxicology in Vitro</i> , 2015, 29, 1445-1453.	2.4	62
17	An Ecotoxicological Study of Poly(amidoamine) Dendrimers-Toward Quantitative Structure Activity Relationships. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6864-6869.	10.0	60
18	Multicolour imaging with spectral photon-counting CT: a phantom study. <i>European Radiology Experimental</i> , 2018, 2, 34.	3.4	60

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19	An all-in-one nanoparticle (AION) contrast agent for breast cancer screening with DEM-CT-MRI-NIRF imaging. <i>Nanoscale</i> , 2018, 10, 17236-17248.	5.6	60
20	Generation of intracellular reactive oxygen species and genotoxicity effect to exposure of nanosized polyamidoamine (PAMAM) dendrimers in PLHC-1 cells in vitro. <i>Aquatic Toxicology</i> , 2013, 132-133, 61-72.	4.0	56
21	Preparation, characterization of NIPAM and NIPAM/BAM copolymer nanoparticles and their acute toxicity testing using an aquatic test battery. <i>Aquatic Toxicology</i> , 2009, 92, 146-154.	4.0	55
22	In Vivo Molecular K-Edge Imaging of Atherosclerotic Plaque Using Photon-counting CT. <i>Radiology</i> , 2021, 300, 98-107.	7.3	55
23	Precision targeting of bacterial pathogen via bi-functional nanozyme activated by biofilm microenvironment. <i>Biomaterials</i> , 2021, 268, 120581.	11.4	54
24	Toxicology of Engineered Nanoparticles: Focus on Poly(amidoamine) Dendrimers. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 338.	2.6	48
25	Improved bioavailability of orally delivered insulin using Eudragit-L30D coated PLGA microparticles. <i>Journal of Microencapsulation</i> , 2008, 25, 248-256.	2.8	44
26	Multisite Thrombus Imaging and Fibrin Content Estimation With a Single Whole-Body PET Scan in Rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2114-2121.	2.4	42
27	Reactive oxygen species mediated DNA damage in human lung alveolar epithelial (A549) cells from exposure to non-cytotoxic MFI-type zeolite nanoparticles. <i>Toxicology Letters</i> , 2012, 215, 151-160.	0.8	41
28	Improved sensitivity of computed tomography towards iodine and gold nanoparticle contrast agents via iterative reconstruction methods. <i>Scientific Reports</i> , 2016, 6, 26177.	3.3	41
29	Nanodisco Balls: Control over Surface <i>versus</i> Core Loading of Diagnostically Active Nanocrystals into Polymer Nanoparticles. <i>ACS Nano</i> , 2014, 8, 9143-9153.	14.6	40
30	Numerical simulations of in vitro nanoparticle toxicity – The case of poly(amido amine) dendrimers. <i>Toxicology in Vitro</i> , 2014, 28, 1449-1460.	2.4	40
31	Nanoparticle Loaded Polymeric Microbubbles as Contrast Agents for Multimodal Imaging. <i>Langmuir</i> , 2015, 31, 11858-11867.	3.5	37
32	Development of silica-encapsulated silver nanoparticles as contrast agents intended for dual-energy mammography. <i>European Radiology</i> , 2016, 26, 3301-3309.	4.5	34
33	Wulff in a cage gold nanoparticles as contrast agents for computed tomography and photoacoustic imaging. <i>Nanoscale</i> , 2018, 10, 18749-18757.	5.6	34
34	Radiation Dosimetry of the Fibrin-Binding Probe <sup>64</sup> Cu-FBP8 and Its Feasibility for PET Imaging of Deep Vein Thrombosis and Pulmonary Embolism in Rats. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1088-1093.	5.0	24
35	Evaluation of Parenteral Depot Insulin Formulation using PLGA and PLA Microparticles. <i>Journal of Biomaterials Applications</i> , 2009, 24, 309-325.	2.4	16
36	Role of Polymeric Excipients on Controlled Release Profile of Glipizide from PLGA and Eudragit RS 100 Nanoparticles. <i>Journal of Nanopharmaceutics and Drug Delivery</i> , 2013, 1, 74-81.	0.3	12

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37	Gold Nanoparticles for Biomedical Applications: Synthesis and In Vitro Evaluation. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 87-111.	0.2	11
38	Water-Dispersible Bismuthâ€“Organic Materials with Computed Tomography Contrast Properties. <i>ACS Applied Bio Materials</i> , 2018, 1, 1918-1926.	4.6	10
39	Nanoâ€“Bio Interactions: Nanomedicine and Nanotoxicology. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1222.	2.6	1
40	Nanoparticle Contrast Agents for Medical Imaging. , 2018, , 219-250.		1
41	Multimodal imaging: Nanocrystal loaded PLA-shelled contrast agents. , 2015, , .		0
42	Nanoparticles for Cardiovascular Imaging with CT. , 2017, , 357-384.		0
43	Advances in and Uses of Contrast Agents for Spectral Photon Counting Computed Tomography. , 2020, , 139-162.		0
44	Lipoproteins for Biomedical Applications: Medical Imaging and Drug Delivery. , 2020, , 207-255.		0