

Abhilash Sasidharan

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.

16
papers

1,490
citations

12
h-index

17
g-index

17
ext. papers

1,595
ext. citations

7.3
avg, IF

4.28
L-index

#	Paper	IF	Citations
16	Computational simulations and experimental validation of structure- physicochemical properties of pristine and functionalized graphene: Implications for adverse effects on p53 mediated DNA damage response. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 540-549	7.9	6
15	Biocorona Bound Gold Nanoparticles Augment Their Hematocompatibility Irrespective of Size or Surface Charge. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1608-1618	5.5	12
14	Cellular and molecular mechanistic insight into the DNA-damaging potential of few-layer graphene in human primary endothelial cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1347-55	6.55	47
13	Radiofrequency ablation of drug-resistant cancer cells using molecularly targeted carboxyl-functionalized biodegradable graphene. <i>Advanced Healthcare Materials</i> , 2015 , 4, 679-84	10.1	25
12	Gold and silver nanoparticle interactions with human proteins: impact and implications in biocorona formation. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2075-2082	7.3	79
11	Protein Nanomedicine Exerts Cytotoxicity toward CD34 CD38 CD123 Leukemic Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1194-1199	5.5	4
10	Comparative in vivo toxicity, organ biodistribution and immune response of pristine, carboxylated and PEGylated few-layer graphene sheets in Swiss albino mice: A three month study. <i>Carbon</i> , 2015 , 95, 511-524	10.4	50
9	Biomedical applications of gold nanomaterials: opportunities and challenges. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015 , 7, 779-96	9.2	48
8	Transferrin-Conjugated Biodegradable Graphene for Targeted Radiofrequency Ablation of Hepatocellular Carcinoma. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1211-1219	5.5	12
7	Confocal Raman imaging study showing macrophage mediated biodegradation of graphene in vivo. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1489-500	10.1	114
6	Biomedical Applications of Graphene: Opportunities and Challenges 2012 , 373-408		
5	Hemocompatibility and macrophage response of pristine and functionalized graphene. <i>Small</i> , 2012 , 8, 1251-63	11	267
4	Highly biocompatible TiO ₂ /Cd ²⁺ nano-contrast agent with enhanced longitudinal relaxivity for targeted cancer imaging. <i>Nanoscale</i> , 2011 , 3, 4150-61	7.7	28
3	Differential nano-bio interactions and toxicity effects of pristine versus functionalized graphene. <i>Nanoscale</i> , 2011 , 3, 2461-4	7.7	350
2	Rapid dissolution of ZnO nanocrystals in acidic cancer microenvironment leading to preferential apoptosis. <i>Nanoscale</i> , 2011 , 3, 3657-69	7.7	104
1	Role of size scale of ZnO nanoparticles and microparticles on toxicity toward bacteria and osteoblast cancer cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20 Suppl 1, S235-41	4.5	344