

Abhilash Sasidharan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5591966/abhilash-sasidharan-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Differential nano-bio interactions and toxicity effects of pristine versus functionalized graphene. <i>Nanoscale</i> , 2011 , 3, 2461-4	7.7	350
15	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
14	Hemocompatibility and macrophage response of pristine and functionalized graphene. <i>Small</i> , 2012 , 8, 1251-63	11	267
13	Confocal Raman imaging study showing macrophage mediated biodegradation of graphene in vivo. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1489-500	10.1	114
12	Rapid dissolution of ZnO nanocrystals in acidic cancer microenvironment leading to preferential apoptosis. <i>Nanoscale</i> , 2011 , 3, 3657-69	7.7	104
11	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
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	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
7	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
6	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
5	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
4	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
3	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
2	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
1	Biomedical Applications of Graphene: Opportunities and Challenges 2012 , 373-408		