

Dominic Docter

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

5,013
citations

279487

23
h-index

476904

29
g-index

30
all docs

30
docs citations

30
times ranked

8306
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid formation of plasma protein corona critically affects nanoparticle pathophysiology. <i>Nature Nanotechnology</i> , 2013, 8, 772-781.	15.6	1,817
2	Nanoparticle Size Is a Critical Physicochemical Determinant of the Human Blood Plasma Corona: A Comprehensive Quantitative Proteomic Analysis. <i>ACS Nano</i> , 2011, 5, 7155-7167.	7.3	749
3	The nanoparticle biomolecule corona: lessons learned “ challenge accepted?. <i>Chemical Society Reviews</i> , 2015, 44, 6094-6121.	18.7	539
4	In vivo degeneration and the fate of inorganic nanoparticles. <i>Chemical Society Reviews</i> , 2016, 45, 2440-2457.	18.7	355
5	Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood. <i>Chemical Society Reviews</i> , 2015, 44, 8174-8199.	18.7	268
6	Quantitative profiling of the protein coronas that form around nanoparticles. <i>Nature Protocols</i> , 2014, 9, 2030-2044.	5.5	200
7	Small is Smarter: Nano MRI Contrast Agents “ Advantages and Recent Achievements. <i>Small</i> , 2016, 12, 556-576.	5.2	147
8	Protein corona “ from molecular adsorption to physiological complexity. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 857-873.	1.5	108
9	No king without a crown “ impact of the nanomaterial-protein corona on nanobiomedicine. <i>Nanomedicine</i> , 2015, 10, 503-519.	1.7	101
10	Changing environments and biomolecule coronas: consequences and challenges for the design of environmentally acceptable engineered nanoparticles. <i>Green Chemistry</i> , 2018, 20, 4133-4168.	4.6	81
11	The protein corona protects against size- and dose-dependent toxicity of amorphous silica nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1380-1392.	1.5	68
12	The concept of bio-corona in modulating the toxicity of engineered nanomaterials (ENM). <i>Toxicology and Applied Pharmacology</i> , 2016, 299, 53-57.	1.3	61
13	Temperature-Triggered Protein Adsorption on Polymer-Coated Nanoparticles in Serum. <i>Langmuir</i> , 2015, 31, 8873-8881.	1.6	50
14	Biomolecule-corona formation confers resistance of bacteria to nanoparticle-induced killing: Implications for the design of improved nanoantibiotics. <i>Biomaterials</i> , 2019, 192, 551-559.	5.7	48
15	Nanoparticulate flurbiprofen reduces amyloid- β 242 generation in an in vitro blood-brain barrier model. <i>Alzheimer's Research and Therapy</i> , 2013, 5, 51.	3.0	45
16	Nanoparticle binding attenuates the pathobiology of gastric cancer-associated <i>Helicobacter pylori</i> . <i>Nanoscale</i> , 2018, 10, 1453-1463.	2.8	45
17	Tuning the Surface of Nanoparticles: Impact of Poly(2-ethyl-oxazoline) on Protein Adsorption in Serum and Cellular Uptake. <i>Macromolecular Bioscience</i> , 2016, 16, 1287-1300.	2.1	43
18	Microfluidic Impedimetric Cell Regeneration Assay to Monitor the Enhanced Cytotoxic Effect of Nanomaterial Perfusion. <i>Biosensors</i> , 2015, 5, 736-749.	2.3	40

#	ARTICLE	IF	CITATIONS
19	The effect of saliva on the fate of nanoparticles. <i>Clinical Oral Investigations</i> , 2018, 22, 929-940.	1.4	37
20	Nanosized food additives impact beneficial and pathogenic bacteria in the human gut: a simulated gastrointestinal study. <i>Npj Science of Food</i> , 2018, 2, 22.	2.5	37
21	An otoprotective role for the apoptosis inhibitor protein survivin. <i>Cell Death and Disease</i> , 2010, 1, e51-e51.	2.7	33
22	The Importin α /Nucleophosmin Switch Controls Taspase1 Protease Function. <i>Traffic</i> , 2011, 12, 703-714.	1.3	32
23	The bio-corona and its impact on nanomaterial toxicity. <i>European Journal of Nanomedicine</i> , 2015, 7, .	0.6	27
24	Expression analysis suggests a potential cytoprotective role of Birc5 in the inner ear. <i>Molecular and Cellular Neurosciences</i> , 2010, 45, 297-305.	1.0	19
25	Bio α Nano Interactions. , 2017, , 1-12.		17
26	Nanoparticle decoration impacts airborne fungal pathobiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7087-7092.	3.3	15
27	Boosting nanotoxicity to combat multidrug-resistant bacteria in pathophysiological environments. <i>Nanoscale Advances</i> , 2020, 2, 5428-5440.	2.2	9
28	Mechanisms of nanotoxicity α biomolecule coronas protect pathological fungi against nanoparticle-based eradication. <i>Nanotoxicology</i> , 2020, 14, 1157-1174.	1.6	8
29	Dysregulated Survivin Expression in Nasal Polyps of Individuals with Aspirin Exacerbated Respiratory Disease. <i>American Journal of Rhinology and Allergy</i> , 2012, 26, 380-384.	1.0	7
30	The other side of the corona: nanoparticles inhibit the protease taspase1 in a size-dependent manner. <i>Nanoscale</i> , 2020, 12, 19093-19103.	2.8	7