Marco P Monopoli

List of Publications by Year
in descending order

59 papers	12,513 citations	109321 35 h-index	133252 59 g-index
61 all docs	61 docs citations	61 times ranked	14720 citing authors

#	Article	IF	Citations
1	Probing the glycans accessibility in the nanoparticle biomolecular corona. Journal of Colloid and Interface Science, 2022, 613, 563-574.	9.4	14
2	Nanoparticle Biomolecular Corona-Based Enrichment of Plasma Glycoproteins for N-Glycan Profiling and Application in Biomarker Discovery. ACS Nano, 2022, 16, 5463-5475.	14.6	17
3	A Nanoscale Shape-Discovery Framework Supporting Systematic Investigations of Shape-Dependent Biological Effects and Immunomodulation. ACS Nano, 2022, 16, 1547-1559.	14.6	16
4	Molecular Aspects of the Interaction with Gram-Negative and Gram-Positive Bacteria of Hydrothermal Carbon Nanoparticles Associated with Bac8c^{2,5Leu} Antimicrobial Peptide. ACS Omega, 2022, 7, 16402-16413.	3.5	9
5	In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. Scientific Reports, 2021, 11, 6443.	3.3	14
6	Efficacy, biocompatibility and degradability of carbon nanoparticles for photothermal therapy of lung cancer. Nanomedicine, 2021, 16, 689-707.	3.3	5
7	No small matter: a perspective on nanotechnology-enabled solutions to fight COVID-19. Nanomedicine, 2020, 15, 2411-2427.	3.3	19
8	Dye-doped silica nanoparticles: synthesis, surface chemistry and bioapplications. Cancer Nanotechnology, 2020, 11, .	3.7	91
9	Identification of physicochemical properties that modulate nanoparticle aggregation in blood. Beilstein Journal of Nanotechnology, 2020, 11, 550-567.	2.8	26
10	Inter-laboratory comparison of nanoparticle size measurements using dynamic light scattering and differential centrifugal sedimentation. NanoImpact, 2018, 10, 97-107.	4.5	59
11	Microscopy-based high-throughput assays enable multi-parametric analysis to assess adverse effects of nanomaterials in various cell lines. Archives of Toxicology, 2018, 92, 633-649.	4.2	41
12	Endogenous exosome labelling with an amphiphilic NIR-fluorescent probe. Chemical Communications, 2018, 54, 7219-7222.	4.1	16
13	Detecting the shape of anisotropic gold nanoparticles in dispersion with single particle extinction and scattering. Nanoscale, 2017, 9, 2778-2784.	5.6	28
14	Synthesis, characterization and programmable toxicity of iron oxide nanoparticles conjugated with<scp>d</scp>-amino acid oxidase. RSC Advances, 2017, 7, 1439-1442.	3.6	15
15	Efficacy assessment of self-assembled PLGA-PEG-PLGA nanoparticles: Correlation of nano-bio interface interactions, biodistribution, internalization and gene expression studies. International Journal of Pharmaceutics, 2017, 533, 389-401.	5.2	27
16	Influence of Size and Shape on the Anatomical Distribution of Endotoxin-Free Gold Nanoparticles. ACS Nano, 2017, 11, 5519-5529.	14.6	131
17	Differences in the coronal proteome acquired by particles depositing in the lungs of asthmatic versus healthy humans. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2517-2521.	3.3	12
18	Synthesis of Î±-Quartz with Controlled Properties for the Investigation of the Molecular Determinants in Silica Toxicology. Crystal Growth and Design, 2016, 16, 2394-2403.	3.0	14

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19	Biological in situ characterization of polymeric microbubble contrast agents. International Journal of Biochemistry and Cell Biology, 2016, 75, 232-243.	2.8	9
20	A 3D co-culture microtissue model of the human placenta for nanotoxicity assessment. Nanoscale, 2016, 8, 17322-17332.	5.6	58
21	Interaction of gold nanoparticles and nickel(II) sulfate affects dendritic cell maturation. Nanotoxicology, 2016, 10, 1395-1403.	3.0	16
22	Different responses of Caco-2 and MCF-7 cells to silver nanoparticles are based on highly similar mechanisms of action. Nanotoxicology, 2016, 10, 1431-1441.	3.0	49
23	Unravelling Malaria Antigen Binding to Antibodyâ€Gold Nanoparticle Conjugates. Particle and Particle Systems Characterization, 2016, 33, 906-915.	2.3	10
24	The Intracellular Destiny of the Protein Corona: A Study on its Cellular Internalization and Evolution. ACS Nano, 2016, 10, 10471-10479.	14.6	154
25	Interactions of cationic polystyrene nanoparticles with marine bivalve hemocytes in a physiological environment: Role of soluble hemolymph proteins. Environmental Research, 2016, 150, 73-81.	7.5	144
26	Enrichment of immunoregulatory proteins in the biomolecular corona of nanoparticles within human respiratory tract lining fluid. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1033-1043.	3.3	54
27	An environmental route of exposure affects the formation of nanoparticle coronas in blood plasma. Journal of Proteomics, 2016, 137, 52-58.	2.4	25
28	Nano-sized polystyrene affects feeding, behavior and physiology of brine shrimp Artemia franciscana larvae. Ecotoxicology and Environmental Safety, 2016, 123, 18-25.	6.0	280
29	Human Plasma Protein Adsorption onto Alumina Nanoparticles Relevant to Orthopedic Wear. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 145-155.	1.6	5
30	The â€œSweetâ€•Side of the Protein Corona: Effects of Glycosylation on Nanoparticleâ€"Cell Interactions. ACS Nano, 2015, 9, 2157-2166.	14.6	184
31	Evidence for immunomodulation and apoptotic processes induced by cationic polystyrene nanoparticles in the hemocytes of the marine bivalve Mytilus. Marine Environmental Research, 2015, 111, 34-40.	2.5	291
32	Titanium dioxide nanoparticles modulate the toxicological response to cadmium in the gills of Mytilus galloprovincialis. Journal of Hazardous Materials, 2015, 297, 92-100.	12.4	114
33	Characterization of the bionano interface and mapping extrinsic interactions of the corona of nanomaterials. Nanoscale, 2015, 7, 15268-15276.	5.6	52
34	Gills are an initial target of zinc oxide nanoparticles in oysters Crassostrea gigas, leading to mitochondrial disruption and oxidative stress. Aquatic Toxicology, 2014, 153, 27-38.	4.0	84
35	Surfactant Titration of Nanoparticleâ€"Protein Corona. Analytical Chemistry, 2014, 86, 12055-12063.	6.5	49
36	Magnetic Nanoparticles to Recover Cellular Organelles and Study the Time Resolved Nanoparticleâ€Cell Interactome throughout Uptake. Small, 2014, 10, 3307-3315.	10.0	59

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37	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. Nanoscale, 2013, 5, 8656.	5.6	98
38	The Protein Corona Mediates the Impact of Nanomaterials and Slows Amyloid Beta Fibrillation. ChemBioChem, 2013, 14, 568-572.	2.6	48
39	Formation and Characterization of the Nanoparticleâ€“Protein Corona. Methods in Molecular Biology, 2013, 1025, 137-155.	0.9	111
40	The dendrimer impact on vesicles can be tuned based on the lipid bilayer charge and the presence of albumin. Soft Matter, 2013, 9, 8862-8870.	2.7	20
41	Transferrin-functionalized nanoparticles lose their targeting capabilities when a biomolecule corona adsorbs on the surface. Nature Nanotechnology, 2013, 8, 137-143.	31.5	1,516
42	Influence of the Physiochemical Properties of Superparamagnetic Iron Oxide Nanoparticles on Amyloid Î² Protein Fibrillation in Solution. ACS Chemical Neuroscience, 2013, 4, 475-485.	3.5	132
43	The biomolecular corona is retained during nanoparticle uptake and protects the cells from the damage induced by cationic nanoparticles until degraded in the lysosomes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1159-1168.	3.3	349
44	COMPARISONS OF NANOPARTICLE PROTEIN CORONA COMPLEXES ISOLATED WITH DIFFERENT METHODS. Nano LIFE, 2013, 03, 1343004.	0.9	16
45	The protein corona of dendrimers: PAMAM binds and activates complement proteins in human plasma in a generation dependent manner. RSC Advances, 2012, 2, 11245.	3.6	53
46	Biomolecular coronas provide the biological identity of nanosized materials. Nature Nanotechnology, 2012, 7, 779-786.	31.5	2,274
47	Surface Coatings Shape the Protein Corona of SPIONs with Relevance to Their Application in Vivo. Langmuir, 2012, 28, 14983-14991.	3.5	136
48	Transferrin Coated Nanoparticles: Study of the Bionano Interface in Human Plasma. PLoS ONE, 2012, 7, e40685.	2.5	80
49	Effects of the Presence or Absence of a Protein Corona on Silica Nanoparticle Uptake and Impact on Cells. ACS Nano, 2012, 6, 5845-5857.	14.6	918
50	Proteinâˆ'Nanoparticle Interactions: Opportunities and Challenges. Chemical Reviews, 2011, 111, 5610-5637.	47.7	1,242
51	Physicalâˆ'Chemical Aspects of Protein Corona: Relevance to <i>in Vitro</i> and <i>in Vivo</i> Biological Impacts of Nanoparticles. Journal of the American Chemical Society, 2011, 133, 2525-2534.	13.7	1,577
52	Elution of Labile Fluorescent Dye from Nanoparticles during Biological Use. PLoS ONE, 2011, 6, e25556.	2.5	82
53	Nanoparticle coronas take shape. Nature Nanotechnology, 2011, 6, 11-12.	31.5	183
54	Temporal proteomic profile of memory consolidation in the rat hippocampal dentate gyrus. Proteomics, 2011, 11, 4189-4201.	2.2	27

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55	Nanobiotechnology: Nanoparticle coronas take shape. Nature Nanotechnology, 2011, 6, 11-12.	31.5	55
56	Serum heat inactivation affects protein corona composition and nanoparticle uptake. Biomaterials, 2010, 31, 9511-9518.	11.4	266
57	What the Cell â€œSeesâ€•in Bionanoscience. Journal of the American Chemical Society, 2010, 132, 5761-5768.	13.7	1,075
58	Notch signalling becomes transiently attenuated during long-term memory consolidation in adult Wistar rats. Neurobiology of Learning and Memory, 2007, 88, 342-351.	1.9	31
59	Understanding the Role and Impact of Poly (Ethylene Glycol) (PEG) on Nanoparticle Formulation: Implications for COVID-19 Vaccines. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	30