

Assistâ€™Prof Morteza Mahmoudi

List of Publications by Year in descending order

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340
papers

37,071
citations

4370

86
h-index

3394

183
g-index

359
all docs

359
docs citations

359
times ranked

45727
citing authors

#	ARTICLE	IF	CITATIONS
1	Global burden of 87 risk factors in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1223-1249.	6.3	3,928
2	Antibacterial properties of nanoparticles. <i>Trends in Biotechnology</i> , 2012, 30, 499-511.	4.9	2,113
3	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017, 46, 4218-4244.	18.7	1,709
4	Superparamagnetic iron oxide nanoparticles (SPIONs): Development, surface modification and applications in chemotherapy. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 24-46.	6.6	1,555
5	Proteinâ€Nanoparticle Interactions: Opportunities and Challenges. <i>Chemical Reviews</i> , 2011, 111, 5610-5637.	23.0	1,242
6	Iron oxide nanoparticles inhibit tumour growth by inducing pro-inflammatory macrophage polarization in tumour tissues. <i>Nature Nanotechnology</i> , 2016, 11, 986-994.	15.6	1,223
7	Toxicity of nanomaterials. <i>Chemical Society Reviews</i> , 2012, 41, 2323-2343.	18.7	1,221
8	Magnetic fluid hyperthermia: Focus on superparamagnetic iron oxide nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2011, 166, 8-23.	7.0	1,125
9	Optical sensor arrays for chemical sensing: the optoelectronic nose. <i>Chemical Society Reviews</i> , 2013, 42, 8649.	18.7	760
10	Graphene: Promises, Facts, Opportunities, and Challenges in Nanomedicine. <i>Chemical Reviews</i> , 2013, 113, 3407-3424.	23.0	643
11	Assessing the In Vitro and In Vivo Toxicity of Superparamagnetic Iron Oxide Nanoparticles. <i>Chemical Reviews</i> , 2012, 112, 2323-2338.	23.0	513
12	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. <i>Nature Communications</i> , 2017, 8, 777.	5.8	507
13	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. <i>Nature</i> , 2015, 525, 479-485.	13.7	402
14	Magnetic Resonance Imaging Tracking of Stem Cells in Vivo Using Iron Oxide Nanoparticles as a Tool for the Advancement of Clinical Regenerative Medicine. <i>Chemical Reviews</i> , 2011, 111, 253-280.	23.0	385
15	Superparamagnetic iron oxide nanoparticles for delivery of therapeutic agents: opportunities and challenges. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1449-1470.	2.4	357
16	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1135-1159.	6.3	335
17	Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1250-1284.	6.3	330
18	Cell toxicity of superparamagnetic iron oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 510-518.	5.0	324

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19	Protein corona significantly reduces active targeting yield. <i>Chemical Communications</i> , 2013, 49, 2557.	2.2	321
20	Toxicity Evaluations of Superparamagnetic Iron Oxide Nanoparticles: Cell "Vision" versus Physicochemical Properties of Nanoparticles. <i>ACS Nano</i> , 2011, 5, 7263-7276.	7.3	317
21	Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018, 30, e1802061.	11.1	314
22	Biological Identity of Nanoparticles In Vivo : Clinical Implications of the Protein Corona. <i>Trends in Biotechnology</i> , 2017, 35, 257-264.	4.9	313
23	Effect of Nanoparticles on the Cell Life Cycle. <i>Chemical Reviews</i> , 2011, 111, 3407-3432.	23.0	301
24	Temperature: The "Ignored" Factor at the NanoBio Interface. <i>ACS Nano</i> , 2013, 7, 6555-6562.	7.3	299
25	Silver-Coated Engineered Magnetic Nanoparticles Are Promising for the Success in the Fight against Antibacterial Resistance Threat. <i>ACS Nano</i> , 2012, 6, 2656-2664.	7.3	287
26	Synthesis and biomedical applications of aerogels: Possibilities and challenges. <i>Advances in Colloid and Interface Science</i> , 2016, 236, 1-27.	7.0	270
27	A new approach for the in vitro identification of the cytotoxicity of superparamagnetic iron oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 300-309.	2.5	264
28	Regulation of Macrophage Recognition through the Interplay of Nanoparticle Surface Functionality and Protein Corona. <i>ACS Nano</i> , 2016, 10, 4421-4430.	7.3	264
29	Impact of protein pre-coating on the protein corona composition and nanoparticle cellular uptake. <i>Biomaterials</i> , 2016, 75, 295-304.	5.7	256
30	Engineered nanoparticles for biomolecular imaging. <i>Nanoscale</i> , 2011, 3, 3007.	2.8	246
31	Personalized protein coronas: a "key" factor at the nanobiointerface. <i>Biomaterials Science</i> , 2014, 2, 1210.	2.6	238
32	Optimal Design and Characterization of Superparamagnetic Iron Oxide Nanoparticles Coated with Polyvinyl Alcohol for Targeted Delivery and Imaging. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14470-14481.	1.2	232
33	Revisiting structure-property relationship of pH-responsive polymers for drug delivery applications. <i>Journal of Controlled Release</i> , 2017, 253, 46-63.	4.8	231
34	Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2021, 398, 870-905.	6.3	229
35	Personalized protein corona on nanoparticles and its clinical implications. <i>Biomaterials Science</i> , 2017, 5, 378-387.	2.6	227
36	Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. <i>Nature Biomedical Engineering</i> , 2018, 2, 850-864.	11.6	214

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37	Gut microbiota and cardiovascular disease: opportunities and challenges. <i>Microbiome</i> , 2020, 8, 36.	4.9	213
38	Exocytosis of nanoparticles from cells: Role in cellular retention and toxicity. <i>Advances in Colloid and Interface Science</i> , 2013, 201-202, 18-29.	7.0	212
39	Emerging understanding of the protein corona at the nano-bio interfaces. <i>Nano Today</i> , 2016, 11, 817-832.	6.2	205
40	Protein Corona Composition of Superparamagnetic Iron Oxide Nanoparticles with Various Physico-Chemical Properties and Coatings. <i>Scientific Reports</i> , 2014, 4, 5020.	1.6	204
41	Personalized disease-specific protein corona influences the therapeutic impact of graphene oxide. <i>Nanoscale</i> , 2015, 7, 8978-8994.	2.8	199
42	Graphene oxide strongly inhibits amyloid beta fibrillation. <i>Nanoscale</i> , 2012, 4, 7322.	2.8	197
43	Intracellular Mechanistic Understanding of 2D MoS ₂ Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2018, 12, 2922-2938.	7.3	188
44	Therapeutic Benefits from Nanoparticles: The Potential Significance of Nanoscience in Diseases with Compromise to the Blood Brain Barrier. <i>Chemical Reviews</i> , 2013, 113, 1877-1903.	23.0	187
45	Variation of Protein Corona Composition of Gold Nanoparticles Following Plasmonic Heating. <i>Nano Letters</i> , 2014, 14, 6-12.	4.5	184
46	The effect of bioengineered acellular collagen patch on cardiac remodeling and ventricular function post myocardial infarction. <i>Biomaterials</i> , 2013, 34, 9048-9055.	5.7	168
47	Effects of Magnetite Nanoparticles on Soybean Chlorophyll. <i>Environmental Science & Technology</i> , 2013, 47, 130906140819003.	4.6	168
48	Superparamagnetic Iron Oxide Nanoparticles with Rigid Cross-linked Polyethylene Glycol Fumarate Coating for Application in Imaging and Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8124-8131.	1.5	164
49	Interplay of protein corona and immune cells controls blood residency of liposomes. <i>Nature Communications</i> , 2019, 10, 3686.	5.8	160
50	Crucial Ignored Parameters on Nanotoxicology: The Importance of Toxicity Assay Modifications and "Cell Vision". <i>PLoS ONE</i> , 2012, 7, e29997.	1.1	154
51	Protein fibrillation and nanoparticle interactions: opportunities and challenges. <i>Nanoscale</i> , 2013, 5, 2570.	2.8	153
52	Magnetic targeting of surface-modified superparamagnetic iron oxide nanoparticles yields antibacterial efficacy against biofilms of gentamicin-resistant staphylococci. <i>Acta Biomaterialia</i> , 2012, 8, 2047-2055.	4.1	151
53	Big Signals from Small Particles: Regulation of Cell Signaling Pathways by Nanoparticles. <i>Chemical Reviews</i> , 2013, 113, 3391-3406.	23.0	146
54	Targeted superparamagnetic iron oxide nanoparticles for early detection of cancer: Possibilities and challenges. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 287-307.	1.7	145

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55	Debugging Nano-Bio Interfaces: Systematic Strategies to Accelerate Clinical Translation of Nanotechnologies. Trends in Biotechnology, 2018, 36, 755-769.	4.9	145
56	Protein corona change the drug release profile of nanocarriers: The "overlooked" factor at the nanobio interface. Colloids and Surfaces B: Biointerfaces, 2014, 123, 143-149.	2.5	144
57	Cell "vision" complementary factor of protein corona in nanotoxicology. Nanoscale, 2012, 4, 5461.	2.8	143
58	Protein corona: Opportunities and challenges. International Journal of Biochemistry and Cell Biology, 2016, 75, 143-147.	1.2	143
59	Superparamagnetic Iron Oxide Nanoparticles: Promises for Diagnosis and Treatment of Multiple Sclerosis. ACS Chemical Neuroscience, 2011, 2, 118-140.	1.7	141
60	Correlative Super-Resolution Microscopy: New Dimensions and New Opportunities. Chemical Reviews, 2017, 117, 7428-7456.	23.0	141
61	Significance of surface charge and shell material of superparamagnetic iron oxide nanoparticle (SPION) based core/shell nanoparticles on the composition of the protein corona. Biomaterials Science, 2015, 3, 265-278.	2.6	133
62	Influence of the Physicochemical Properties of Superparamagnetic Iron Oxide Nanoparticles on Amyloid β Protein Fibrillation in Solution. ACS Chemical Neuroscience, 2013, 4, 475-485.	1.7	132
63	Exploring Cellular Interactions of Liposomes Using Protein Corona Fingerprints and Physicochemical Properties. ACS Nano, 2016, 10, 3723-3737.	7.3	130
64	Cytotoxicity of Uncoated and Polyvinyl Alcohol Coated Superparamagnetic Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 9573-9580.	1.5	128
65	Paracrine Effects of the Pluripotent Stem Cell-Derived Cardiac Myocytes Salvage the Injured Myocardium. Circulation Research, 2017, 121, e22-e36.	2.0	124
66	Current Developments in Antimicrobial Surface Coatings for Biomedical Applications. Current Medicinal Chemistry, 2015, 22, 2116-2129.	1.2	123
67	Advances in Alzheimer's Diagnosis and Therapy: The Implications of Nanotechnology. Trends in Biotechnology, 2017, 35, 937-953.	4.9	121
68	Tumor Microenvironment-Responsive Multistaged Nanoplatform for Systemic RNAi and Cancer Therapy. Nano Letters, 2017, 17, 4427-4435.	4.5	119
69	A colorimetric sensor array for detection and discrimination of biothiols based on aggregation of gold nanoparticles. Analytica Chimica Acta, 2015, 882, 58-67.	2.6	114
70	Irreversible changes in protein conformation due to interaction with superparamagnetic iron oxide nanoparticles. Nanoscale, 2011, 3, 1127-38.	2.8	112
71	The importance of selecting a proper biological milieu for protein corona analysis in vitro: Human plasma versus human serum. International Journal of Biochemistry and Cell Biology, 2016, 75, 188-195.	1.2	112
72	An in vitro study of bare and poly(ethylene glycol)-co-fumarate-coated superparamagnetic iron oxide nanoparticles: a new toxicity identification procedure. Nanotechnology, 2009, 20, 225104.	1.3	110

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73	Cell-Imprinted Substrates Direct the Fate of Stem Cells. ACS Nano, 2013, 7, 8379-8384.	7.3	110
74	Superparamagnetic iron oxide nanoparticles for <i>in vivo</i> molecular and cellular imaging. Contrast Media and Molecular Imaging, 2015, 10, 329-355.	0.4	109
75	Protein corona composition of gold nanoparticles/nanorods affects amyloid beta fibrillation process. Nanoscale, 2015, 7, 5004-5013.	2.8	107
76	Bacterial Effects and Protein Corona Evaluations: Crucial Ignored Factors in the Prediction of Bio-Efficacy of Various Forms of Silver Nanoparticles. Chemical Research in Toxicology, 2012, 25, 1231-1242.	1.7	106
77	Ex situ evaluation of the composition of protein corona of intravenously injected superparamagnetic nanoparticles in rats. Nanoscale, 2014, 6, 11439-11450.	2.8	106
78	Multiscale technologies for treatment of ischemic cardiomyopathy. Nature Nanotechnology, 2017, 12, 845-855.	15.6	104
79	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. Chemistry of Materials, 2017, 29, 6578-6595.	3.2	99
80	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. Nanoscale, 2013, 5, 8656.	2.8	98
81	Crucial role of the protein corona for the specific targeting of nanoparticles. Nanomedicine, 2015, 10, 215-226.	1.7	96
82	Recent advances in surface engineering of superparamagnetic iron oxide nanoparticles for biomedical applications. Journal of the Iranian Chemical Society, 2010, 7, S1-S27.	1.2	93
83	Protein-Nanoparticle Interactions. Springer Series in Biophysics, 2013, , .	0.4	93
84	Nanostructures: a platform for brain repair and augmentation. Frontiers in Systems Neuroscience, 2014, 8, 91.	1.2	92
85	Bypassing Protein Corona Issue on Active Targeting: Zwitterionic Coatings Dictate Specific Interactions of Targeting Moieties and Cell Receptors. ACS Applied Materials & Interfaces, 2016, 8, 22808-22818.	4.0	92
86	Global, regional, and national mortality among young people aged 10â€“24 years, 1950â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2021, 398, 1593-1618.	6.3	92
87	Multiphysics Flow Modeling and in Vitro Toxicity of Iron Oxide Nanoparticles Coated with Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over bc 1.5	1.5	91
88	Triggered release in lipid bilayer-capped mesoporous silica nanoparticles containing SPION using an alternating magnetic field. Chemical Communications, 2012, 48, 5647.	2.2	91
89	Double-doped TiO2 nanoparticles as an efficient visible-light-active photocatalyst and antibacterial agent under solar simulated light. Applied Surface Science, 2014, 301, 338-345.	3.1	88
90	Effect of Cell Sex on Uptake of Nanoparticles: The Overlooked Factor at the Nanobio Interface. ACS Nano, 2018, 12, 2253-2266.	7.3	87

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91	Use of contact force sensing technology during radiofrequency ablation reduces recurrence of atrial fibrillation: A systematic review and meta-analysis. <i>Heart Rhythm</i> , 2015, 12, 1990-1996.	0.3	85
92	Nanomedicine in Healing Chronic Wounds: Opportunities and Challenges. <i>Molecular Pharmaceutics</i> , 2021, 18, 550-575.	2.3	84
93	Antibody-Drug Conjugates: Possibilities and Challenges. <i>Avicenna Journal of Medical Biotechnology</i> , 2019, 11, 3-23.	0.2	83
94	Proteome of human plasma very low-density lipoprotein and low-density lipoprotein exhibits a link with coagulation and lipid metabolism. <i>Thrombosis and Haemostasis</i> , 2014, 112, 518-530.	1.8	82
95	Nanoparticle and Protein Corona. <i>Springer Series in Biophysics</i> , 2013, , 21-44.	0.4	76
96	Nanoparticles-cell association predicted by protein corona fingerprints. <i>Nanoscale</i> , 2016, 8, 12755-12763.	2.8	75
97	Synergistic antimicrobial therapy using nanoparticles and antibiotics for the treatment of multidrug-resistant bacterial infection. <i>Nano Futures</i> , 2017, 1, 015004.	1.0	75
98	Effect of Mn and Sr on intermetallics in Fe-rich eutectic Al-Si alloy. <i>International Journal of Cast Metals Research</i> , 2002, 15, 17-24.	0.5	74
99	Impact of Gold Nanoparticles on Amyloid Î²-Induced Alzheimerâ€™s Disease in a Rat Animal Model: Involvement of STIM Proteins. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2299-2309.	1.7	74
100	Significance of cell â€œobserverâ€ and protein source in nanobiosciences. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 431-445.	5.0	73
101	An apolipoprotein-enriched biomolecular corona switches the cellular uptake mechanism and trafficking pathway of lipid nanoparticles. <i>Nanoscale</i> , 2017, 9, 17254-17262.	2.8	73
102	Cell-Imprinted Substrates Act as an Artificial Niche for Skin Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13280-13292.	4.0	70
103	Nanotoxicology: advances and pitfalls in research methodology. <i>Nanomedicine</i> , 2015, 10, 2931-2952.	1.7	70
104	Plasma concentration gradient influences the protein corona decoration on nanoparticles. <i>RSC Advances</i> , 2013, 3, 1119-1126.	1.7	69
105	Label-free detection of Î²-amyloid peptides (AÎ²40 and AÎ²42): a colorimetric sensor array for plasma monitoring of Alzheimer's disease. <i>Nanoscale</i> , 2018, 10, 6361-6368.	2.8	68
106	Disease-specific protein corona sensor arrays may have disease detection capacity. <i>Nanoscale Horizons</i> , 2019, 4, 1063-1076.	4.1	68
107	Regulation of stem cell fate by nanomaterial substrates. <i>Nanomedicine</i> , 2015, 10, 829-847.	1.7	65
108	Superparamagnetic iron oxide nanoparticles: promises for diagnosis and treatment of cancer. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2011, 2, 367-90.	0.4	65

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109	Hard corona composition and cellular toxicities of the graphene sheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 212-218.	2.5	64
110	Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in <i>Ldlr</i> ^{-/-} Mice. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700313.	3.9	63
111	Interaction of stable colloidal nanoparticles with cellular membranes. <i>Biotechnology Advances</i> , 2014, 32, 679-692.	6.0	62
112	Disease-related metabolites affect protein-nanoparticle interactions. <i>Nanoscale</i> , 2018, 10, 7108-7115.	2.8	61
113	Nanoscale characterization of the biomolecular corona by cryo-electron microscopy, cryo-electron tomography, and image simulation. <i>Nature Communications</i> , 2021, 12, 573.	5.8	61
114	Physiological Temperature Has a Crucial Role in Amyloid Beta in the Absence and Presence of Hydrophobic and Hydrophilic Nanoparticles. <i>ACS Chemical Neuroscience</i> , 2013, 4, 375-378.	1.7	59
115	In vivo protein corona patterns of lipid nanoparticles. <i>RSC Advances</i> , 2017, 7, 1137-1145.	1.7	59
116	Identification of catecholamine neurotransmitters using fluorescence sensor array. <i>Analytica Chimica Acta</i> , 2016, 917, 85-92.	2.6	58
117	Synthesis, surface architecture and biological response of superparamagnetic iron oxide nanoparticles for application in drug delivery: a review. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2010, 1, 164.	0.1	57
118	Slight temperature changes affect protein affinity and cellular uptake/toxicity of nanoparticles. <i>Nanoscale</i> , 2013, 5, 3240.	2.8	57
119	Protein Corona Influences Cell-Biomaterial Interactions in Nanostructured Tissue Engineering Scaffolds. <i>Advanced Functional Materials</i> , 2015, 25, 4379-4389.	7.8	57
120	Nanomedicine for safe healing of bone trauma: Opportunities and challenges. <i>Biomaterials</i> , 2017, 146, 168-182.	5.7	57
121	Superparamagnetic colloidal nanocrystal clusters coated with polyethylene glycol fumarate: a possible novel theranostic agent. <i>Nanoscale</i> , 2011, 3, 1022-1030.	2.8	56
122	Identification of Nanoparticles with a Colorimetric Sensor Array. <i>ACS Sensors</i> , 2016, 1, 17-21.	4.0	55
123	Probing fibronectin conformation on a protein corona layer around nanoparticles. <i>Nanoscale</i> , 2018, 10, 1228-1233.	2.8	55
124	Infection-resistant MRI-visible scaffolds for tissue engineering applications. <i>BioImpacts</i> , 2016, 6, 111-115.	0.7	55
125	Cytotoxicity and Cell Cycle Effects of Bare and Poly(vinyl alcohol)-Coated Iron Oxide Nanoparticles in Mouse Fibroblasts. <i>Advanced Engineering Materials</i> , 2009, 11, B243.	1.6	54
126	COVID-19 and Its Global Economic Impact. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1318, 825-837.	0.8	54

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127	Brain Targeting by Liposomeâ€“Biomolecular Corona Boosts Anticancer Efficacy of Temozolomide in Glioblastoma Cells. ACS Chemical Neuroscience, 2018, 9, 3166-3174.	1.7	53
128	Cell-Imprinted Substrates Modulate Differentiation, Redifferentiation, and Transdifferentiation. ACS Applied Materials & Interfaces, 2016, 8, 13777-13784.	4.0	52
129	Cytotoxicity of protein corona-graphene oxide nanoribbons on human epithelial cells. Applied Surface Science, 2014, 320, 596-601.	3.1	51
130	Mechanistic Understanding of the Interactions between Nano-Objects with Different Surface Properties and Î±-Synuclein. ACS Nano, 2019, 13, 3243-3256.	7.3	51
131	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. RSC Advances, 2014, 4, 62557-62565.	1.7	50
132	Zeolite Nanoparticles for Selective Sorption of Plasma Proteins. Scientific Reports, 2015, 5, 17259.	1.6	50
133	Monoclonal antibody conjugated magnetic nanoparticles could target MUCâ€“positive cells <i>in vitro</i> but not <i>in vivo</i> . Contrast Media and Molecular Imaging, 2015, 10, 225-236.	0.4	50
134	A new strategy to design colorful ratiometric probes and its application to fluorescent detection of Hg(II). Sensors and Actuators B: Chemical, 2018, 259, 894-899.	4.0	50
135	Large Protein Absorptions from Small Changes on the Surface of Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 18275-18283.	1.5	49
136	Direct Evaluation of Myocardial Viability and Stem Cell Engraftment Demonstrates Salvage of the Injured Myocardium. Circulation Research, 2015, 116, e40-50.	2.0	49
137	How bullying becomes a career tool. Nature Human Behaviour, 2022, 6, 475-475.	6.2	49
138	Cell Type-Specific Activation of AKT and ERK Signaling Pathways by Small Negatively-Charged Magnetic Nanoparticles. Scientific Reports, 2012, 2, 868.	1.6	48
139	Interdisciplinary challenges and promising theranostic effects of nanoscience in Alzheimer's disease. RSC Advances, 2012, 2, 5008.	1.7	48
140	The Protein Corona Mediates the Impact of Nanomaterials and Slows Amyloid Beta Fibrillation. ChemBioChem, 2013, 14, 568-572.	1.3	48
141	Zeolite Nanoparticles Inhibit AÎ²â€“Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot. ACS Applied Materials & Interfaces, 2016, 8, 30768-30779.	4.0	47
142	Sex as an important factor in nanomedicine. Nature Communications, 2021, 12, 2984.	5.8	47
143	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. Chemical Reviews, 2019, 119, 11352-11390.	23.0	46
144	Challenges in molecular diagnostic research in cancer nanotechnology. Nano Today, 2019, 27, 6-10.	6.2	45

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145	[Pyr1]-Apelin-13 delivery via nano-liposomal encapsulation attenuates pressure overload-induced cardiac dysfunction. <i>Biomaterials</i> , 2015, 37, 289-298.	5.7	44
146	Bioengineering cardiac constructs using 3D printing. <i>Journal of 3D Printing in Medicine</i> , 2017, 1, 123-139.	1.0	44
147	On-chip synthesis of fine-tuned bone-seeking hybrid nanoparticles. <i>Nanomedicine</i> , 2015, 10, 3431-3449.	1.7	43
148	Engineering of Mature Human Induced Pluripotent Stem Cellâ€Derived Cardiomyocytes Using Substrates with Multiscale Topography. <i>Advanced Functional Materials</i> , 2018, 28, 1707378.	7.8	43
149	Bare surface of gold nanoparticle induces inflammation through unfolding of plasma fibrinogen. <i>Scientific Reports</i> , 2018, 8, 12557.	1.6	43
150	The need for robust characterization of nanomaterials for nanomedicine applications. <i>Nature Communications</i> , 2021, 12, 5246.	5.8	43
151	The need for improved methodology in protein corona analysis. <i>Nature Communications</i> , 2022, 13, 49.	5.8	43
152	Preparation and biological evaluation of [67Ga]-labeled-superparamagnetic nanoparticles in normal rats. <i>Radiochimica Acta</i> , 2009, 97, .	0.5	42
153	Templated growth of superparamagnetic iron oxide nanoparticles by temperature programming in the presence of poly(vinyl alcohol). <i>Thin Solid Films</i> , 2010, 518, 4281-4289.	0.8	41
154	Corona protein composition and cytotoxicity evaluation of ultra-small zeolites synthesized from template free precursor suspensions. <i>Toxicology Research</i> , 2013, 2, 270.	0.9	41
155	Tumor-associated macrophages, nanomedicine and imaging: the axis of success in the future of cancer immunotherapy. <i>Immunotherapy</i> , 2017, 9, 819-835.	1.0	41
156	Promoter hypermethylation of BCL11B gene correlates with downregulation of gene transcription in ankylosing spondylitis patients. <i>Genes and Immunity</i> , 2017, 18, 170-175.	2.2	41
157	Antiinflammatory and antioxidant activities of gum mastic. <i>European Review for Medical and Pharmacological Sciences</i> , 2010, 14, 765-9.	0.5	41
158	Multifunctional stable fluorescent magnetic nanoparticles. <i>Chemical Communications</i> , 2012, 48, 3957.	2.2	40
159	Polyrotaxane/gold nanoparticle hybrid nanomaterials as anticancer drug delivery systems. <i>Journal of Materials Chemistry</i> , 2011, 21, 18686.	6.7	39
160	Misinterpretation in Nanotoxicology: A Personal Perspective. <i>Chemical Research in Toxicology</i> , 2016, 29, 943-948.	1.7	38
161	Sensing of Alzheimerâ€™s Disease and Multiple Sclerosis Using Nano-Bio Interfaces. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1187-1202.	1.2	38
162	An engineered cell-imprinted substrate directs osteogenic differentiation in stem cells. <i>Biomaterials Science</i> , 2018, 6, 189-199.	2.6	38

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163	Biomolecular Corona Affects Controlled Release of Drug Payloads from Nanocarriers. Trends in Pharmacological Sciences, 2020, 41, 641-652.	4.0	38
164	Nanotechnology for Targeted Detection and Removal of Bacteria: Opportunities and Challenges. Advanced Science, 2021, 8, e2100556.	5.6	38
165	Synthesis and in Vitro Evaluation of Bone-Seeking Superparamagnetic Iron Oxide Nanoparticles as Contrast Agents for Imaging Bone Metabolic Activity. ACS Applied Materials & Interfaces, 2013, 5, 5219-5226.	4.0	37
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