

Assist Prof Morteza Mahmoudi

List of Publications by Citations

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322
papers

26,514
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80
h-index

158
g-index

359
ext. papers

31,769
ext. citations

10.8
avg, IF

7.47
L-index

#	Paper	IF	Citations
322	Antibacterial properties of nanoparticles. <i>Trends in Biotechnology</i> , 2012 , 30, 499-511	15.1	1665
321	Superparamagnetic iron oxide nanoparticles (SPIONs): development, surface modification and applications in chemotherapy. <i>Advanced Drug Delivery Reviews</i> , 2011 , 63, 24-46	18.5	1309
320	Protein-nanoparticle interactions: opportunities and challenges. <i>Chemical Reviews</i> , 2011 , 111, 5610-37	68.1	1075
319	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017 , 46, 4218-4244	58.5	1045
318	Toxicity of nanomaterials. <i>Chemical Society Reviews</i> , 2012 , 41, 2323-43	58.5	1020
317	Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020 , 396, 1223-1249	40	1013
316	Magnetic fluid hyperthermia: focus on superparamagnetic iron oxide nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2011 , 166, 8-23	14.3	973
315	Iron oxide nanoparticles inhibit tumour growth by inducing pro-inflammatory macrophage polarization in tumour tissues. <i>Nature Nanotechnology</i> , 2016 , 11, 986-994	28.7	847
314	Optical sensor arrays for chemical sensing: the optoelectronic nose. <i>Chemical Society Reviews</i> , 2013 , 42, 8649-82	58.5	595
313	Graphene: promises, facts, opportunities, and challenges in nanomedicine. <i>Chemical Reviews</i> , 2013 , 113, 3407-24	68.1	563
312	Assessing the in vitro and in vivo toxicity of superparamagnetic iron oxide nanoparticles. <i>Chemical Reviews</i> , 2012 , 112, 2323-38	68.1	440
311	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. <i>Nature Communications</i> , 2017 , 8, 777	17.4	362
310	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, 253-80	68.1	350
309	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. <i>Nature</i> , 2015 , 525, 479-85	50.4	309
308	Superparamagnetic iron oxide nanoparticles for delivery of therapeutic agents: opportunities and challenges. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 1449-70	8	300
307	Toxicity evaluations of superparamagnetic iron oxide nanoparticles: cell "vision" versus physicochemical properties of nanoparticles. <i>ACS Nano</i> , 2011 , 5, 7263-76	16.7	281
306	Cell toxicity of superparamagnetic iron oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 510-8	9.3	280

305	Protein corona significantly reduces active targeting yield. <i>Chemical Communications</i> , 2013 , 49, 2557-9	5.8	274
304	Effect of nanoparticles on the cell life cycle. <i>Chemical Reviews</i> , 2011 , 111, 3407-32	68.1	264
303	Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018 , 30, e1802061	24	260
302	Silver-coated engineered magnetic nanoparticles are promising for the success in the fight against antibacterial resistance threat. <i>ACS Nano</i> , 2012 , 6, 2656-64	16.7	257
301	Temperature: the "ignored" factor at the NanoBio interface. <i>ACS Nano</i> , 2013 , 7, 6555-62	16.7	253
300	Biological Identity of Nanoparticles In Vivo: Clinical Implications of the Protein Corona. <i>Trends in Biotechnology</i> , 2017 , 35, 257-264	15.1	244
299	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, 300-9	6	227
298	Engineered nanoparticles for biomolecular imaging. <i>Nanoscale</i> , 2011 , 3, 3007-26	7.7	222
297	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, 14470-81	3.4	206
296	Impact of protein pre-coating on the protein corona composition and nanoparticle cellular uptake. <i>Biomaterials</i> , 2016 , 75, 295-304	15.6	202
295	Regulation of Macrophage Recognition through the Interplay of Nanoparticle Surface Functionality and Protein Corona. <i>ACS Nano</i> , 2016 , 10, 4421-30	16.7	197
294	Personalized protein coronas: a "key" factor at the nanobiointerface. <i>Biomaterials Science</i> , 2014 , 2, 1210-1221	12.1	188
293	Synthesis and biomedical applications of aerogels: Possibilities and challenges. <i>Advances in Colloid and Interface Science</i> , 2016 , 236, 1-27	14.3	187
292	Emerging understanding of the protein corona at the nano-bio interfaces. <i>Nano Today</i> , 2016 , 11, 817-832	7.9	171
291	Revisiting structure-property relationship of pH-responsive polymers for drug delivery applications. <i>Journal of Controlled Release</i> , 2017 , 253, 46-63	11.7	168
290	Graphene oxide strongly inhibits amyloid beta fibrillation. <i>Nanoscale</i> , 2012 , 4, 7322-5	7.7	168
289	Protein corona composition of superparamagnetic iron oxide nanoparticles with various physico-chemical properties and coatings. <i>Scientific Reports</i> , 2014 , 4, 5020	4.9	167
288	Personalized protein corona on nanoparticles and its clinical implications. <i>Biomaterials Science</i> , 2017 , 5, 378-387	7.4	165

287	Exocytosis of nanoparticles from cells: role in cellular retention and toxicity. <i>Advances in Colloid and Interface Science</i> , 2013 , 201-202, 18-29	14.3	164
286	Therapeutic benefits from nanoparticles: the potential significance of nanoscience in diseases with compromise to the blood brain barrier. <i>Chemical Reviews</i> , 2013 , 113, 1877-903	68.1	160
285	Personalized disease-specific protein corona influences the therapeutic impact of graphene oxide. <i>Nanoscale</i> , 2015 , 7, 8978-94	7.7	153
284	Variation of protein corona composition of gold nanoparticles following plasmonic heating. <i>Nano Letters</i> , 2014 , 14, 6-12	11.5	151
283	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	3.8	151
282	Intracellular Mechanistic Understanding of 2D MoS Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2018 , 12, 2922-2938	16.7	145
281	Crucial ignored parameters on nanotoxicology: the importance of toxicity assay modifications and "cell vision". <i>PLoS ONE</i> , 2012 , 7, e29997	3.7	139
280	The effect of bioengineered acellular collagen patch on cardiac remodeling and ventricular function post myocardial infarction. <i>Biomaterials</i> , 2013 , 34, 9048-55	15.6	133
279	Cell "vision": complementary factor of protein corona in nanotoxicology. <i>Nanoscale</i> , 2012 , 4, 5461-8	7.7	133
278	Magnetic targeting of surface-modified superparamagnetic iron oxide nanoparticles yields antibacterial efficacy against biofilms of gentamicin-resistant staphylococci. <i>Acta Biomaterialia</i> , 2012 , 8, 2047-55	10.8	128
277	Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. <i>Nature Biomedical Engineering</i> , 2018 , 2, 850-864	19	127
276	Effects of magnetite nanoparticles on soybean chlorophyll. <i>Environmental Science & Technology</i> , 2013 , 47, 10645-52	10.3	126
275	Big signals from small particles: regulation of cell signaling pathways by nanoparticles. <i>Chemical Reviews</i> , 2013 , 113, 3391-406	68.1	126
274	Superparamagnetic iron oxide nanoparticles: promises for diagnosis and treatment of multiple sclerosis. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 118-40	5.7	124
273	Protein corona change the drug release profile of nanocarriers: the "overlooked" factor at the nanobio interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 143-9	6	122
272	Debugging Nano-Bio Interfaces: Systematic Strategies to Accelerate Clinical Translation of Nanotechnologies. <i>Trends in Biotechnology</i> , 2018 , 36, 755-769	15.1	120
271	Cytotoxicity of Uncoated and Polyvinyl Alcohol Coated Superparamagnetic Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9573-9580	3.8	117
270	Protein fibrillation and nanoparticle interactions: opportunities and challenges. <i>Nanoscale</i> , 2013 , 5, 2570-78	7.8	116

269	Influence of the physiochemical properties of superparamagnetic iron oxide nanoparticles on amyloid β protein fibrillation in solution. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 475-85	5.7	113
268	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020 , 396, 1135-1159	40	113
267	Targeted superparamagnetic iron oxide nanoparticles for early detection of cancer: Possibilities and challenges. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 287-307	6	112
266	Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020 , 396, 1250-1284	40	112
265	Exploring Cellular Interactions of Liposomes Using Protein Corona Fingerprints and Physicochemical Properties. <i>ACS Nano</i> , 2016 , 10, 3723-37	16.7	108
264	Protein corona: Opportunities and challenges. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 75, 143-7	5.6	107
263	Correlative Super-Resolution Microscopy: New Dimensions and New Opportunities. <i>Chemical Reviews</i> , 2017 , 117, 7428-7456	68.1	105
262	Tumor Microenvironment-Responsive Multistaged Nanoplatform for Systemic RNAi and Cancer Therapy. <i>Nano Letters</i> , 2017 , 17, 4427-4435	11.5	104
261	Significance of surface charge and shell material of superparamagnetic iron oxide nanoparticle (SPION) based core/shell nanoparticles on the composition of the protein corona. <i>Biomaterials Science</i> , 2015 , 3, 265-78	7.4	102
260	Superparamagnetic iron oxide nanoparticles for in vivo molecular and cellular imaging. <i>Contrast Media and Molecular Imaging</i> , 2015 , 10, 329-55	3.2	98
259	Current Developments in Antimicrobial Surface Coatings for Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2015 , 22, 2116-29	4.3	98
258	Interplay of protein corona and immune cells controls blood residency of liposomes. <i>Nature Communications</i> , 2019 , 10, 3686	17.4	97
257	An in vitro study of bare and poly(ethylene glycol)-co-fumarate-coated superparamagnetic iron oxide nanoparticles: a new toxicity identification procedure. <i>Nanotechnology</i> , 2009 , 20, 225104	3.4	96
256	Protein corona composition of gold nanoparticles/nanorods affects amyloid beta fibrillation process. <i>Nanoscale</i> , 2015 , 7, 5004-13	7.7	95
255	Irreversible changes in protein conformation due to interaction with superparamagnetic iron oxide nanoparticles. <i>Nanoscale</i> , 2011 , 3, 1127-38	7.7	95
254	A colorimetric sensor array for detection and discrimination of biothiols based on aggregation of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2015 , 882, 58-67	6.6	92
253	Gut microbiota and cardiovascular disease: opportunities and challenges. <i>Microbiome</i> , 2020 , 8, 36	16.6	92
252	The importance of selecting a proper biological milieu for protein corona analysis in vitro: Human plasma versus human serum. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 75, 188-95	5.6	90

251	Paracrine Effects of the Pluripotent Stem Cell-Derived Cardiac Myocytes Salvage the Injured Myocardium. <i>Circulation Research</i> , 2017 , 121, e22-e36	15.7	90
250	Cell-imprinted substrates direct the fate of stem cells. <i>ACS Nano</i> , 2013 , 7, 8379-84	16.7	89
249	Ex situ evaluation of the composition of protein corona of intravenously injected superparamagnetic nanoparticles in rats. <i>Nanoscale</i> , 2014 , 6, 11439-50	7.7	88
248	Triggered release in lipid bilayer-capped mesoporous silica nanoparticles containing SPION using an alternating magnetic field. <i>Chemical Communications</i> , 2012 , 48, 5647-9	5.8	88
247	Advances in Alzheimer's Diagnosis and Therapy: The Implications of Nanotechnology. <i>Trends in Biotechnology</i> , 2017 , 35, 937-953	15.1	87
246	Bacterial effects and protein corona evaluations: crucial ignored factors in the prediction of bio-efficacy of various forms of silver nanoparticles. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1231-42	4	87
245	Multiscale technologies for treatment of ischemic cardiomyopathy. <i>Nature Nanotechnology</i> , 2017 , 12, 845-855	28.7	84
244	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. <i>Nanoscale</i> , 2013 , 5, 8656-65	7.7	82
243	Crucial role of the protein corona for the specific targeting of nanoparticles. <i>Nanomedicine</i> , 2015 , 10, 215-26	5.6	81
242	Multiphysics Flow Modeling and in Vitro Toxicity of Iron Oxide Nanoparticles Coated with Poly(vinyl alcohol). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2322-2331	3.8	80
241	Recent advances in surface engineering of superparamagnetic iron oxide nanoparticles for biomedical applications. <i>Journal of the Iranian Chemical Society</i> , 2010 , 7, S1-S27	2	80
240	Double-doped TiO ₂ nanoparticles as an efficient visible-light-active photocatalyst and antibacterial agent under solar simulated light. <i>Applied Surface Science</i> , 2014 , 301, 338-345	6.7	79
239	Protein-Nanoparticle Interactions. <i>Springer Series in Biophysics</i> , 2013 ,		79
238	Direct measurement of myocardial viability by manganese-enhanced MRI (MEMRI) tracks the regenerative effects by human pluripotent stem cell derived cardiomyocytes (hPCMs). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
237	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. <i>Chemistry of Materials</i> , 2017 , 29, 6578-6595	9.6	73
236	Bypassing Protein Corona Issue on Active Targeting: Zwitterionic Coatings Dictate Specific Interactions of Targeting Moieties and Cell Receptors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22808-18	9.5	71
235	Significance of cell "observer" and protein source in nanobiosciences. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 431-445	9.3	68
234	Nanoparticle and Protein Corona. <i>Springer Series in Biophysics</i> , 2013 , 21-44		67

233	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 , 111, 518-30	7	66
232	Effect of Cell Sex on Uptake of Nanoparticles: The Overlooked Factor at the Nanobio Interface. <i>ACS Nano</i> , 2018 , 12, 2253-2266	16.7	65
231	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, 1990-6	6.7	63
230	Nanoparticles-cell association predicted by protein corona fingerprints. <i>Nanoscale</i> , 2016 , 8, 12755-63	7.7	63
229	Plasma concentration gradient influences the protein corona decoration on nanoparticles. <i>RSC Advances</i> , 2013 , 3, 1119-1126	3.7	63
228	Antibody-Drug Conjugates: Possibilities and Challenges. <i>Avicenna Journal of Medical Biotechnology</i> , 2019 , 11, 3-23	1.4	63
227	Nanostructures: a platform for brain repair and augmentation. <i>Frontiers in Systems Neuroscience</i> , 2014 , 8, 91	3.5	62
226	Hard corona composition and cellular toxicities of the graphene sheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 212-8	6	61
225	Superparamagnetic iron oxide nanoparticles: promises for diagnosis and treatment of cancer. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2011 , 2, 367-90	0.9	61
224	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	1	60
223	Nanotoxicology: advances and pitfalls in research methodology. <i>Nanomedicine</i> , 2015 , 10, 2931-52	5.6	58
222	Interaction of stable colloidal nanoparticles with cellular membranes. <i>Biotechnology Advances</i> , 2014 , 32, 679-92	17.8	58
221	Regulation of stem cell fate by nanomaterial substrates. <i>Nanomedicine</i> , 2015 , 10, 829-47	5.6	56
220	Cell-imprinted substrates act as an artificial niche for skin regeneration. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13280-92	9.5	55
219	Superparamagnetic colloidal nanocrystal clusters coated with polyethylene glycol fumarate: a possible novel theranostic agent. <i>Nanoscale</i> , 2011 , 3, 1022-30	7.7	54
218	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	0.2	53
217	Synergistic antimicrobial therapy using nanoparticles and antibiotics for the treatment of multidrug-resistant bacterial infection. <i>Nano Futures</i> , 2017 , 1, 015004	3.6	52
216	An apolipoprotein-enriched biomolecular corona switches the cellular uptake mechanism and trafficking pathway of lipid nanoparticles. <i>Nanoscale</i> , 2017 , 9, 17254-17262	7.7	52

215	Identification of Nanoparticles with a Colorimetric Sensor Array. <i>ACS Sensors</i> , 2016 , 1, 17-21	9.2	50
214	Slight temperature changes affect protein affinity and cellular uptake/toxicity of nanoparticles. <i>Nanoscale</i> , 2013 , 5, 3240-4	7.7	50
213	Physiological temperature has a crucial role in amyloid β in the absence and presence of hydrophobic and hydrophilic nanoparticles. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 375-8	5.7	48
212	Identification of catecholamine neurotransmitters using fluorescence sensor array. <i>Analytica Chimica Acta</i> , 2016 , 917, 85-92	6.6	47
211	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-B250	3.5	47
210	In vivo protein corona patterns of lipid nanoparticles. <i>RSC Advances</i> , 2017 , 7, 1137-1145	3.7	46
209	Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in Ldlr Mice. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700313	10.1	46
208	The protein corona mediates the impact of nanomaterials and slows amyloid beta fibrillation. <i>ChemBioChem</i> , 2013 , 14, 568-72	3.8	44
207	Cell type-specific activation of AKT and ERK signaling pathways by small negatively-charged magnetic nanoparticles. <i>Scientific Reports</i> , 2012 , 2, 868	4.9	44
206	Interdisciplinary challenges and promising theranostic effects of nanoscience in Alzheimer's disease. <i>RSC Advances</i> , 2012 , 2, 5008	3.7	44
205	Label-free detection of β amyloid peptides (A β 40 and A β 42): a colorimetric sensor array for plasma monitoring of Alzheimer's disease. <i>Nanoscale</i> , 2018 , 10, 6361-6368	7.7	43
204	Disease-related metabolites affect protein-nanoparticle interactions. <i>Nanoscale</i> , 2018 , 10, 7108-7115	7.7	43
203	Direct evaluation of myocardial viability and stem cell engraftment demonstrates salvage of the injured myocardium. <i>Circulation Research</i> , 2015 , 116, e40-50	15.7	43
202	Large Protein Absorptions from Small Changes on the Surface of Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18275-18283	3.8	43
201	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	4.0	43
200	Monoclonal antibody conjugated magnetic nanoparticles could target MUC-1-positive cells in vitro but not in vivo. <i>Contrast Media and Molecular Imaging</i> , 2015 , 10, 225-36	3.2	42
199	Disease-specific protein corona sensor arrays may have disease detection capacity. <i>Nanoscale Horizons</i> , 2019 , 4, 1063-1076	10.8	41
198	Impact of Gold Nanoparticles on Amyloid β Induced Alzheimer's Disease in a Rat Animal Model: Involvement of STIM Proteins. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2299-2309	5.7	41

197	Cell-Imprinted Substrates Modulate Differentiation, Redifferentiation, and Transdifferentiation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13777-84	9.5	40
196	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. <i>RSC Advances</i> , 2014 , 4, 62557-62565	3.7	40
195	Protein Corona Influences Cell-Biomaterial Interactions in Nanostructured Tissue Engineering Scaffolds. <i>Advanced Functional Materials</i> , 2015 , 25, 4379-4389	15.6	40
194	Probing fibronectin conformation on a protein corona layer around nanoparticles. <i>Nanoscale</i> , 2018 , 10, 1228-1233	7.7	40
193	A new strategy to design colorful ratiometric probes and its application to fluorescent detection of Hg(II). <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 894-899	8.5	39
192	Zeolite Nanoparticles Inhibit Aβ-Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30768-30779	9.5	38
191	Cytotoxicity of protein corona-graphene oxide nanoribbons on human epithelial cells. <i>Applied Surface Science</i> , 2014 , 320, 596-601	6.7	38
190	Nanomedicine for safe healing of bone trauma: Opportunities and challenges. <i>Biomaterials</i> , 2017 , 146, 168-182	15.6	38
189	Multifunctional stable fluorescent magnetic nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 3957-9	5.8	38
188	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	2.2	38
187	Corona protein composition and cytotoxicity evaluation of ultra-small zeolites synthesized from template free precursor suspensions. <i>Toxicology Research</i> , 2013 , 2, 270	2.6	37
186	Tumor-associated macrophages, nanomedicine and imaging: the axis of success in the future of cancer immunotherapy. <i>Immunotherapy</i> , 2017 , 9, 819-835	3.8	37
185	Misinterpretation in Nanotoxicology: A Personal Perspective. <i>Chemical Research in Toxicology</i> , 2016 , 29, 943-8	4	36
184	Promoter hypermethylation of BCL11B gene correlates with downregulation of gene transcription in ankylosing spondylitis patients. <i>Genes and Immunity</i> , 2017 , 18, 170-175	4.4	36
183	Antiinflammatory and antioxidant activities of gum mastic. <i>European Review for Medical and Pharmacological Sciences</i> , 2010 , 14, 765-9	2.9	36
182	Preparation and biological evaluation of [67Ga]-labeled-superparamagnetic nanoparticles in normal rats. <i>Radiochimica Acta</i> , 2009 , 97,	1.9	35
181	Nanoscale characterization of the biomolecular corona by cryo-electron microscopy, cryo-electron tomography, and image simulation. <i>Nature Communications</i> , 2021 , 12, 573	17.4	35
180	Bioengineering cardiac constructs using 3D printing. <i>Journal of 3D Printing in Medicine</i> , 2017 , 1, 123-139	1.5	34

179	On-chip synthesis of fine-tuned bone-seeking hybrid nanoparticles. <i>Nanomedicine</i> , 2015 , 10, 3431-49	5.6	34
178	Brain Targeting by Liposome-Biomolecular Corona Boosts Anticancer Efficacy of Temozolomide in Glioblastoma Cells. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 3166-3174	5.7	34
177	Zeolite Nanoparticles for Selective Sorption of Plasma Proteins. <i>Scientific Reports</i> , 2015 , 5, 17259	4.9	34
176	[Pyr1]-Apelin-13 delivery via nano-liposomal encapsulation attenuates pressure overload-induced cardiac dysfunction. <i>Biomaterials</i> , 2015 , 37, 289-98	15.6	33
175	Polyrotaxane/gold nanoparticle hybrid nanomaterials as anticancer drug delivery systems. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18686		33
174	Mechanistic Understanding of the Interactions between Nano-Objects with Different Surface Properties and β Synuclein. <i>ACS Nano</i> , 2019 , 13, 3243-3256	16.7	33
173	Bare surface of gold nanoparticle induces inflammation through unfolding of plasma fibrinogen. <i>Scientific Reports</i> , 2018 , 8, 12557	4.9	33
172	Challenges in molecular diagnostic research in cancer nanotechnology. <i>Nano Today</i> , 2019 , 27, 6-10	17.9	31
171	Sensing of Alzheimer's Disease and Multiple Sclerosis Using Nano-Bio Interfaces. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 1187-1202	4.3	29
170	Synthesis and in vitro evaluation of bone-seeking superparamagnetic iron oxide nanoparticles as contrast agents for imaging bone metabolic activity. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5219-26	9.5	29
169	Infection-resistant MRI-visible scaffolds for tissue engineering applications. <i>BioImpacts</i> , 2016 , 6, 111-5	3.5	29
168	Antibody orientation determines corona mistargeting capability. <i>Nature Nanotechnology</i> , 2018 , 13, 775-786	16.7	28
167	Synthesis of new hybrid nanomaterials: promising systems for cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 806-17	6	28
166	Exploitation of nanoparticle-protein corona for emerging therapeutic and diagnostic applications. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4376-4381	7.3	28
165	Engineering of Mature Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Using Substrates with Multiscale Topography. <i>Advanced Functional Materials</i> , 2018 , 28, 1707378	15.6	27
164	Time-Resolved Visual Chiral Discrimination of Cysteine Using Unmodified CdTe Quantum Dots. <i>Scientific Reports</i> , 2017 , 7, 890	4.9	26
163	Determination of nanoparticles using UV-Vis spectra. <i>Nanoscale</i> , 2015 , 7, 5134-9	7.7	26
162	Development of a Virtual Cell Model to Predict Cell Response to Substrate Topography. <i>ACS Nano</i> , 2017 , 11, 9084-9092	16.7	26

161	Nanomedicine in Healing Chronic Wounds: Opportunities and Challenges. <i>Molecular Pharmaceutics</i> , 2021 , 18, 550-575	5.6	26
160	Novel MRI Contrast Agent from Magnetotactic Bacteria Enables In Vivo Tracking of iPSC-derived Cardiomyocytes. <i>Scientific Reports</i> , 2016 , 6, 26960	4.9	25
159	M2000 (ED-Mannuronic Acid) as a Novel Antagonist for Blocking the TLR2 and TLR4 Downstream Signalling Pathway. <i>Scandinavian Journal of Immunology</i> , 2017 , 85, 122-129	3.4	24
158	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. <i>Chemical Reviews</i> , 2019 , 119, 11352-11390	68.1	24
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