Manuel Arruebo

List of Publications by Year in Descending Order

156 papers	6,694 citations	42 h-index	78 g-index
167 ext. papers	7,690 ext. citations	7.3 avg, IF	6.07 L-index

#	Paper	IF	Citations
156	On the role of components of therapeutic hydrophobic deep eutectic solvent-based nanoemulsions sustainably produced by membrane-assisted nanoemulsification for enhanced antimicrobial activity. *Separation and Purification Technology*, **2022**, 285, 120319	8.3	2
155	Hybrid thermoresponsive nanoparticles containing drug nanocrystals for NIR-triggered remote release. *Journal of Colloid and Interface Science*, **2022**, 607, 1466-1477	9.3	
154	Nanoengineering Palladium Plasmonic Nanosheets Inside Polymer Nanospheres for Photothermal Therapy and Targeted Drug Delivery (Adv. Funct. Mater. 9/2022). *Advanced Functional Materials*, **2022**, 32, 2270058	15.6	
153	Microfluidic Synthesis of Block Copolymer Micelles: Application as Drug nanocarriers and as Photothermal Transductors When Loading Pd Nanosheets.. *Macromolecular Bioscience*, **2022**, e2100528	5.5	1
152	Submicronic Filtering Media Based on Electrospun Recycled PET Nanofibers: Development, Characterization, and Method to Manufacture Surgical Masks.. *Nanomaterials*, **2022**, 12,	5.4	1
151	Light activated pulsatile drug delivery for prolonged peripheral nerve block.. *Biomaterials*, **2022**, 283, 121453	15.6	0
150	Electrostatic self-assembly approach in the deposition of bio-functional chitosan-based layers enriched with caffeic acid on Ti-6Al-7Nb alloys by alternate immersion **2022**, 212791		0
149	Trojan pH-Sensitive Polymer Particles Produced in a Continuous-Flow Capillary Microfluidic Device Using Water-in-Oil-in-Water Double-Emulsion Droplets. *Micromachines*, **2022**, 13, 878	3.3	0
148	Encapsulation of Large-Size Plasmids in PLGA Nanoparticles for Gene Editing: Comparison of Three Different Synthesis Methods. *Nanomaterials*, **2021**, 11,	5.4	1
147	Nanogels with High Loading of Anesthetic Nanocrystals for Extended Duration of Sciatic Nerve Block. *ACS Applied Materials & Interfaces*, **2021**, 13, 17220-17235	9.5	3
146	Nondestructive production of exosomes loaded with ultrathin palladium nanosheets for targeted bio-orthogonal catalysis. *Nature Protocols*, **2021**, 16, 131-163	18.8	6
145	Chalcogenide nanoparticles and organic photosensitizers for synergetic antimicrobial photodynamic therapy. *Journal of Materials Chemistry B*, **2021**, 9, 6246-6259	7.3	4
144	Brief survey on organometalated antibacterial drugs and metal-based materials with antibacterial activity. *RSC Chemical Biology*, **2021**, 2, 368-386	3	12
143	Supramolecular Functionalizable Linear-Dendritic Block Copolymers for the Preparation of Nanocarriers by Microfluidics. *Polymers*, **2021**, 13,	4.5	2
142	Selective point-of-care detection of pathogenic bacteria using sialic acid functionalized gold nanoparticles. *Talanta*, **2021**, 234, 122644	6.2	2
141	Antimicrobial Wound Dressings against Fluorescent and Methicillin-Sensitive Intracellular Pathogenic Bacteria. *ACS Applied Materials & Interfaces*, **2020**, 12, 51302-51313	9.5	6
140	Novel intracellular antibiotic delivery system against : cloxacillin-loaded poly(d,l-lactide-co-glycolide) acid nanoparticles. *Nanomedicine*, **2020**, 15, 1189-1203	5.6	5

139	Drug-eluting wound dressings having sustained release of antimicrobial compounds. *European Journal of Pharmaceutics and Biopharmaceutics*, **2020**, 152, 327-339	5.7	7
138	Metallocenyl 7-ACA Conjugates: Antibacterial Activity Studies and Atomic-Resolution X-ray Crystal Structure with CTX-M β-Lactamase. *ChemBioChem*, **2020**, 21, 2187-2195	3.8	6
137	Microflow Nanoprecipitation of Positively Charged Gastroresistant Polymer Nanoparticles of Eudragit RS100: A Study of Fluid Dynamics and Chemical Parameters. *Materials*, **2020**, 13,	3.5	2
136	Light-triggered nanoparticles for pain management. *Expert Opinion on Drug Delivery*, **2020**, 17, 627-633	8	2
135	Local delivery of bone morphogenetic protein-2 from near infrared-responsive hydrogels for bone tissue regeneration. *Biomaterials*, **2020**, 241, 119909	15.6	26
134	Customized hybrid and NIR-light triggered thermoresponsive drug delivery microparticles synthetized by photopolymerization in a one-step flow focusing continuous microreactor. *Colloids and Surfaces B: Biointerfaces*, **2020**, 190, 110904	6	7
133	Electrospun anti-inflammatory patch loaded with essential oils for wound healing. *International Journal of Pharmaceutics*, **2020**, 577, 119067	6.5	28
132	Efficiency of Antimicrobial Electrospun Thymol-Loaded Polycaprolactone Mats In Vivo.. *ACS Applied Bio Materials*, **2020**, 3, 3430-3439	4.1	8
131	Microengineered Membranes for Sustainable Production of Hydrophobic Deep Eutectic Solvent-Based Nanoemulsions by Membrane Emulsification for Enhanced Antimicrobial Activity. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 16526-16536	8.3	3
130	Organometallic ciprofloxacin conjugates with dual action: synthesis, characterization, and antimicrobial and cytotoxicity studies. *Dalton Transactions*, **2020**, 49, 1403-1415	4.3	14
129	Triggered drug release from hybrid thermoresponsive nanoparticles using near infrared light. *Nanomedicine*, **2020**, 15, 219-234	5.6	8
128	Batch and microfluidic reactors in the synthesis of enteric drug carriers **2020**, 317-357		0
127	Insights into the mechanism of the formation of noble metal nanoparticles by in situ NMR spectroscopy. *Nanoscale Advances*, **2020**, 2, 3954-3962	5.1	2
126	Isolation of exosomes from whole blood by a new microfluidic device: proof of concept application in the diagnosis and monitoring of pancreatic cancer. *Journal of Nanobiotechnology*, **2020**, 18, 150	9.4	19
125	Controlling Particle Size and Release Kinetics in the Sustained Delivery of Oral Antibiotics Using pH-Independent Mucoadhesive Polymers. *Molecular Pharmaceutics*, **2020**, 17, 3314-3327	5.6	4
124	Antibacterial Effect of Thymol Loaded SBA-15 Nanorods Incorporated in PCL Electrospun Fibers. *Nanomaterials*, **2020**, 10,	5.4	12
123	Cancer-derived exosomes loaded with ultrathin palladium nanosheets for targeted bioorthogonal catalysis. *Nature Catalysis*, **2019**, 2, 864-872	36.5	119
122	Gold nanoparticles for the in situ polymerization of near-infrared responsive hydrogels based on fibrin. *Acta Biomaterialia*, **2019**, 100, 306-315	10.8	5

121	The in vivo effects of silver nanoparticles on terrestrial isopods, Porcellio scaber, depend on a dynamic interplay between shape, size and nanoparticle dissolution properties. *Analyst, The*, **2019**, 144, 488-497	5	9
120	Exosome origin determines cell targeting and the transfer of therapeutic nanoparticles towards target cells. *Journal of Nanobiotechnology*, **2019**, 17, 16	9.4	97
119	Liver Expression of a MiniATP7B Gene Results in Long-Term Restoration of Copper Homeostasis in a Wilson Disease Model in Mice. *Hepatology*, **2019**, 70, 108-126	11.2	12
118	Spatiotemporal control of photothermal heating using pH sensitive near-infrared croconaine-based dyes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 382, 111936	4.7	1
117	Antimicrobial Electrospun Polycaprolactone-Based Wound Dressings: An Study About the Importance of the Direct Contact to Elicit Bactericidal Activity. *Advances in Wound Care*, **2019**, 8, 438-451	4.8	20
116	Cleavable and thermo-responsive hybrid nanoparticles for on-demand drug delivery. *Journal of Colloid and Interface Science*, **2019**, 533, 171-181	9.3	28
115	Differences in levan nanoparticles depending on their synthesis route: Microbial vs cell-free systems. *International Journal of Biological Macromolecules*, **2019**, 137, 62-68	7.9	12
114	Targeted Release of Probiotics from Enteric Microparticulated Formulations. *Polymers*, **2019**, 11,	4.5	15
113	Reversible stimuli-responsive nanomaterials with on-off switching ability for biomedical applications. *Journal of Controlled Release*, **2019**, 314, 162-176	11.7	26
112	Matryoshka-type gastro-resistant microparticles for the oral treatment of Mycobacterium tuberculosis. *Nanomedicine*, **2019**, 14, 707-726	5.6	14
111	Efficient gram-scale continuous production of near-infrared-sensitive liposomes for light-triggered delivery of polyinosinic-polycytidylic acid. *Chemical Engineering and Processing: Process Intensification*, **2019**, 146, 107709	3.7	3
110	Efficient encapsulation of theranostic nanoparticles in cell-derived exosomes: leveraging the exosomal biogenesis pathway to obtain hollow gold nanoparticle-hybrids. *Nanoscale*, **2019**, 11, 18825-18836	7.7	51
109	Extracellular Vesicles-Based Biomarkers Represent a Promising Liquid Biopsy in Endometrial Cancer. *Cancers*, **2019**, 11,	6.6	16
108	Microfluidic production of inorganic nanomaterials for biomedical applications **2019**, 179-216		3
107	Towards the continuous production of Pt-based heterogeneous catalysts using microfluidic systems. *Dalton Transactions*, **2018**, 47, 1693-1702	4.3	7
106	High-Precision Photothermal Ablation Using Biocompatible Palladium Nanoparticles and Laser Scanning Microscopy. *ACS Applied Materials & Interfaces*, **2018**, 10, 3341-3348	9.5	23
105	A facile method for the controlled polymerization of biocompatible and thermoresponsive oligo(ethylene glycol) methyl ether methacrylate copolymers. *Polymer Journal*, **2018**, 50, 203-211	2.7	9
104	Near infrared dye-labelled polymeric micro- and nanomaterials: in vivo imaging and evaluation of their local persistence. *Nanoscale*, **2018**, 10, 2970-2982	7.7	8

103	Controlled release of bupivacaine using hybrid thermoresponsive nanoparticles activated via photothermal heating. *Journal of Colloid and Interface Science*, **2018**, 523, 234-244	9.3	16
102	Sustainable Production of Drug-Loaded Particles by Membrane Emulsification. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6663-6674	8.3	12
101	Antibiotic-eluting orthopedic device to prevent early implant associated infections: Efficacy, biocompatibility and biodistribution studies in an ovine model. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 1976-1986	3.5	6
100	Reactive gas atmospheres as a tool for the synthesis of MOFs: the creation of a metal hybrid fumarate with a controlled Fe/Al composition profile. *Journal of Materials Chemistry A*, **2018**, 6, 14352-14358	13	5
99	Enzyme structure and function protection from gastrointestinal degradation using enteric coatings. *International Journal of Biological Macromolecules*, **2018**, 119, 413-422	7.9	7
98	Natural polysaccharides and microfluidics: A win□win combination towards the green and continuous production of long-term stable silver nanoparticles. *Journal of Environmental Chemical Engineering*, **2018**, 6, 5069-5078	6.8	3
97	Evaluation of the Antimicrobial Activity and Cytotoxicity of Different Components of Natural Origin Present in Essential Oils. *Molecules*, **2018**, 23,	4.8	65
96	Pro-angiogenic near infrared-responsive hydrogels for deliberate transgene expression. *Acta Biomaterialia*, **2018**, 78, 123-136	10.8	7
95	Preparation and Identification of Optimal Synthesis Conditions for a Novel Alkaline Anion-Exchange Membrane. *Polymers*, **2018**, 10,	4.5	10
94	Single phase microreactor for the continuous, high-temperature synthesis of . *Chemical Engineering Journal*, **2018**, 340, 66-72	14.7	38
93	Chitosan-based coatings in the prevention of intravascular catheter-associated infections. *Journal of Biomaterials Applications*, **2018**, 32, 725-737	2.9	9
92	Current progress and challenges of nanoparticle-based therapeutics in pain management. *Journal of Controlled Release*, **2018**, 269, 189-213	11.7	23
91	Rapid on-Chip Assembly of Niosomes: Batch versus Continuous Flow Reactors. *ACS Applied Materials & Interfaces*, **2018**, 10, 19197-19207	9.5	10
90	Smart Implants as a Novel Strategy to Regenerate Well-Founded Cartilage. *Trends in Biotechnology*, **2017**, 35, 8-11	15.1	12
89	Bactericidal Effect of Gold-Chitosan Nanocomposites in Coculture Models of Pathogenic Bacteria and Human Macrophages. *ACS Applied Materials & Interfaces*, **2017**, 9, 17693-17701	9.5	41
88	In-situ preparation of ultra-small Pt nanoparticles within rod-shaped mesoporous silica particles: 3-D tomography and catalytic oxidation of n-hexane. *Catalysis Communications*, **2017**, 100, 93-97	3.2	16
87	Polymer functionalized gold nanoparticles as nonviral gene delivery reagents. *Journal of Gene Medicine*, **2017**, 19, e2964	3.5	14
86	Preparation of Drug-Loaded PLGA-PEG Nanoparticles by Membrane-Assisted Nanoprecipitation. *Pharmaceutical Research*, **2017**, 34, 1296-1308	4.5	28

85	Promoting bioengineered tooth innervation using nanostructured and hybrid scaffolds. *Acta Biomaterialia*, **2017**, 50, 493-501	10.8	26
84	Nanoengineered implant as a new platform for regenerative nanomedicine using 3D well-organized human cell spheroids. *International Journal of Nanomedicine*, **2017**, 12, 447-457	7.3	15
83	Lipogels responsive to near-infrared light for the triggered release of therapeutic agents. *Acta Biomaterialia*, **2017**, 61, 54-65	10.8	11
82	Light-Emitting Photon-Upconversion Nanoparticles in the Generation of Transdermal Reactive-Oxygen Species. *ACS Applied Materials & Interfaces*, **2017**, 9, 41737-41747	9.5	12
81	Development of noncytotoxic silver-chitosan nanocomposites for efficient control of biofilm forming microbes. *RSC Advances*, **2017**, 7, 52398-52413	3.7	65
80	Chitosan-based nanocomposites for the repair of bone defects. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 2231-2240	6	31
79	The effect of PEGylated hollow gold nanoparticles on stem cell migration: potential application in tissue regeneration. *Nanoscale*, **2017**, 9, 9848-9858	7.7	27
78	Advances in draw solutes for forward osmosis: Hybrid organic-inorganic nanoparticles and conventional solutes. *Chemical Engineering Journal*, **2017**, 309, 738-752	14.7	60
77	Cymantrenyl-Nucleobases: Synthesis, Anticancer, Antitrypanosomal and Antimicrobial Activity Studies. *Molecules*, **2017**, 22,	4.8	6
76	Selective delivery of photothermal nanoparticles to tumors using mesenchymal stem cells as Trojan horses. *RSC Advances*, **2016**, 6, 58723-58732	3.7	13
75	Dual encapsulation of hydrophobic and hydrophilic drugs in PLGA nanoparticles by a single-step method: drug delivery and cytotoxicity assays. *RSC Advances*, **2016**, 6, 111060-111069	3.7	50
74	A simple approach to obtain hybrid Au-loaded polymeric nanoparticles with a tunable metal load. *Nanoscale*, **2016**, 8, 6495-506	7.7	23
73	Screen-printed nanoparticles as anti-counterfeiting tags. *Nanotechnology*, **2016**, 27, 095702	3.4	28
72	Continuous microfluidic synthesis and functionalization of gold nanorods. *Chemical Engineering Journal*, **2016**, 285, 286-292	14.7	58
71	Continuous synthesis of drug-loaded nanoparticles using microchannel emulsification and numerical modeling: effect of passive mixing. *International Journal of Nanomedicine*, **2016**, 11, 3397-416	7.3	39
70	Microfluidic Synthesis and Biological Evaluation of Photothermal Biodegradable Copper Sulfide Nanoparticles. *ACS Applied Materials & Interfaces*, **2016**, 8, 21545-54	9.5	35
69	Peptic Ulcer Bleeding Risk. The Role of Helicobacter Pylori Infection in NSAID/Low-Dose Aspirin Users. *American Journal of Gastroenterology*, **2015**, 110, 684-9	0.7	47
68	Spontaneous formation of Au-Pt alloyed nanoparticles using pure nano-counterparts as starters: a ligand and size dependent process. *Nanoscale*, **2015**, 7, 10152-61	7.7	33

67	Study on inhibitory activity of chitosan-based materials against biofilm producing Pseudomonas aeruginosa strains. *Journal of Biomaterials Applications*, **2015**, 30, 269-78	2.9	34
66	Gas Slug Microfluidics: A Unique Tool for Ultrafast, Highly Controlled Growth of Iron Oxide Nanostructures. *Chemistry of Materials*, **2015**, 27, 4254-4260	9.6	54
65	Topographical cues regulate the crosstalk between MSCs and macrophages. *Biomaterials*, **2015**, 37, 124-33	8.6	75
64	A controlled antibiotic release system to prevent orthopedic-implant associated infections: An in vitro study. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 96, 264-71	5.7	73
63	Development of noncytotoxic chitosan-gold nanocomposites as efficient antibacterial materials. *ACS Applied Materials & Interfaces*, **2015**, 7, 1087-99	9.5	200
62	Smart Dressings Based on Nanostructured Fibers Containing Natural Origin Antimicrobial, Anti-Inflammatory, and Regenerative Compounds. *Materials*, **2015**, 8, 5154-5193	3.5	114
61	Integrating Microtissues in Nanofiber Scaffolds for Regenerative Nanomedicine. *Materials*, **2015**, 8, 6863-6867	3.5	4
60	VOCs abatement using thick eggshell Pt/SBA-15 pellets with hierarchical porosity. *Catalysis Today*, **2014**, 227, 179-186	5.3	31
59	Sulphonated polyether ether ketone diaphragms used in commercial scale alkaline water electrolysis. *Journal of Power Sources*, **2014**, 247, 967-974	8.9	17
58	Near-infrared-actuated devices for remotely controlled drug delivery. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 1349-54	11.5	157
57	Reaction engineering strategies for the production of inorganic nanomaterials. *Small*, **2014**, 10, 835-53	11	62
56	Gold-coated halloysite nanotubes as tunable plasmonic platforms. *New Journal of Chemistry*, **2014**, 38, 2037	3.6	38
55	Scaled-up production of plasmonic nanoparticles using microfluidics: from metal precursors to functionalized and sterilized nanoparticles. *Lab on A Chip*, **2014**, 14, 325-32	7.2	70
54	High-speed water sterilization using silver-containing cellulose membranes. *Nanotechnology*, **2014**, 25, 305101	3.4	8
53	Plasmon-enhanced photocatalytic water purification. *Physical Chemistry Chemical Physics*, **2014**, 16, 15113-16	3.6	31
52	Temporal and spatial patterning of transgene expression by near-infrared irradiation. *Biomaterials*, **2014**, 35, 8134-8143	15.6	19
51	Magneto-plasmonic nanoparticles as theranostic platforms for magnetic resonance imaging, drug delivery and NIR hyperthermia applications. *Nanoscale*, **2014**, 6, 9230-40	7.7	53
50	Morphological Tunability of the Plasmonic Response: From Hollow Gold Nanoparticles to Gold Nanorings. *Journal of Physical Chemistry C*, **2014**, 118, 28804-28811	3.8	22

49	Mechanical forces regulate stem cell response to surface topography. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 128-40	5.4	17
48	Facile preparation of transparent and conductive polymer films based on silver nanowire/polycarbonate nanocomposites. *Nanotechnology*, **2013**, 24, 275603	3.4	36
47	Beyond gold: rediscovering tetrakis-(hydroxymethyl)-phosphonium chloride (THPC) as an effective agent for the synthesis of ultra-small noble metal nanoparticles and Pt-containing nanoalloys. *RSC Advances*, **2013**, 3, 10427	3.7	47
46	Stability and biocompatibility of photothermal gold nanorods after lyophilization and sterilization. *Materials Research Bulletin*, **2013**, 48, 4051-4057	5.1	13
45	Porous orthopedic steel implant as an antibiotic eluting device: prevention of post-surgical infection on an ovine model. *International Journal of Pharmaceutics*, **2013**, 452, 166-72	6.5	26
44	Preparation and characterization of chitosan-silver nanocomposite films and their antibacterial activity against Staphylococcus aureus. *Nanotechnology*, **2013**, 24, 015101	3.4	109
43	Flow-synthesis of mesoporous silicas and their use in the preparation of magnetic catalysts for Knoevenagel condensation reactions. *Catalysis Today*, **2013**, 204, 140-147	5.3	66
42	Enhancing of plasmonic photothermal therapy through heat-inducible transgene activity. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 646-56	6	26
41	Laser-driven heterogeneous catalysis: efficient amide formation catalysed by Au/SiO2 systems. *Green Chemistry*, **2013**, 15, 2043	10	52
40	Strong bactericidal synergy between peracetic acid and silver-exchanged zeolites. *Microporous and Mesoporous Materials*, **2012**, 156, 171-175	5.3	15
39	Facile synthesis of SiO2@Au nanoshells in a three-stage microfluidic system. *Journal of Materials Chemistry*, **2012**, 22, 21420		41
38	Mesoporous silica loaded with peracetic acid and silver nanoparticles as a dual-effect, highly efficient bactericidal agent. *Microporous and Mesoporous Materials*, **2012**, 161, 84-90	5.3	24
37	Synthesis of Magnetic Nanocrystals by Thermal Decomposition in Glycol Media: Effect of Process Variables and Mechanistic Study. *Industrial & Engineering Chemistry Research*, **2012**, 51, 8348-8357	3.9	35
36	Drug delivery from structured porous inorganic materials. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2012**, 4, 16-30	9.2	110
35	Antibacterial action of Ag-containing MFI zeolite at low Ag loadings. *Chemical Communications*, **2011**, 47, 680-2	5.8	55
34	Bactericidal effects of different silver-containing materials. *Materials Research Bulletin*, **2011**, 46, 2070-2076	5.1	79
33	Size-dependent transfection efficiency of PEI-coated gold nanoparticles. *Acta Biomaterialia*, **2011**, 7, 3645-55	10.8	76
32	On the role of the colloidal stability of mesoporous silica nanoparticles as gene delivery vectors. *Journal of Nanoparticle Research*, **2011**, 13, 4097-4108	2.3	17

31	Hollow porous implants filled with mesoporous silica particles as a two-stage antibiotic-eluting device. *International Journal of Pharmaceutics*, **2011**, 409, 1-8	6.5	22
30	Comparative study of the synthesis of silica nanoparticles in micromixer-microreactor and batch reactor systems. *Chemical Engineering Journal*, **2011**, 171, 674-683	14.7	62
29	Zeolite films and membranes. Emerging applications. *Microporous and Mesoporous Materials*, **2011**, 144, 19-27	5.3	102
28	Assessment of the evolution of cancer treatment therapies. *Cancers*, **2011**, 3, 3279-330	6.6	398
27	Reported nanosafety practices in research laboratories worldwide. *Nature Nanotechnology*, **2010**, 5, 93-6	28.7	42
26	Drug delivery from internally implanted biomedical devices used in traumatology and in orthopedic surgery. *Expert Opinion on Drug Delivery*, **2010**, 7, 589-603	8	18
25	NIR-enhanced drug release from porous Au/SiO2 nanoparticles. *Chemical Communications*, **2010**, 46, 7513-5	5.8	40
24	Mechanically reinforced biodegradable nanocomposites. A facile synthesis based on PEGylated silica nanoparticles. *Polymer*, **2010**, 51, 6132-6139	3.9	19
23	Reticulated vitreous carbon: a useful material for cell adhesion and tissue invasion. *European Cells and Materials*, **2010**, 20, 282-93; discussion 293-4	4.3	22
22	Antibody-Conjugated Nanoparticles for Biomedical Applications. *Journal of Nanomaterials*, **2009**, 2009, 1-24	3.2	195
21	Effect of Nitinol surface treatments on its physico-chemical properties. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2009**, 91, 337-47	3.5	16
20	Synthesis of Highly Selective Magnetic Mesoporous Adsorbent. *Journal of Physical Chemistry C*, **2009**, 113, 9804-9813	3.8	134
19	Preparation of Magnetic Nanoparticles Encapsulated by an Ultrathin Silica Shell via Transformation of Magnetic Fe-MCM-41. *Chemistry of Materials*, **2008**, 20, 486-493	9.6	80
18	Zeolite Membranes **2008**, 269-323		1
17	Assessing methods for blood cell cytotoxic responses to inorganic nanoparticles and nanoparticle aggregates. *Small*, **2008**, 4, 2025-34	11	157
16	Synthesis and stealthing study of bare and PEGylated silica micro- and nanoparticles as potential drug-delivery vectors. *Chemical Engineering Journal*, **2008**, 137, 45-53	14.7	70
15	HRTEM characterization of core-shell Fe@C and Fe@SiO2 magnetic nanoparticles prepared by the arc-discharge plasma method **2008**, 597-598		
14	Antibody-Functionalized Hybrid Superparamagnetic Nanoparticles. *Advanced Functional Materials*, **2007**, 17, 1473-1479	15.6	42

13	Mechanochemical characterisation of silica-based coatings on Nitinol substrates. *Microporous and Mesoporous Materials*, **2007**, 98, 292-302	5.3	6
12	Magnetic nanoparticles for drug delivery. *Nano Today*, **2007**, 2, 22-32	17.9	1164
11	Brownian rotational relaxation and power absorption in magnetite nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 132-135	2.8	17
10	Sustained release of doxorubicin from zeolite-magnetite nanocomposites prepared by mechanical activation. *Nanotechnology*, **2006**, 17, 4057-64	3.4	106
9	Highly magnetic silica-coated iron nanoparticles prepared by the arc-discharge method. *Nanotechnology*, **2006**, 17, 1188-1192	3.4	78
8	Development of Magnetic Nanostructured Silica-Based Materials as Potential Vectors for Drug-Delivery Applications. *Chemistry of Materials*, **2006**, 18, 1911-1919	9.6	210
7	Separation of binary C5 and C6 hydrocarbon mixtures through MFI zeolite membranes. *Journal of Membrane Science*, **2006**, 269, 171-176	9.6	33
6	Synthesis and properties of MFI zeolite membranes prepared by microwave assisted secondary growth, from microwave derived seeds. *Studies in Surface Science and Catalysis*, **2005**, 158, 129-136	1.8	6
5	A semi-continuous method for the synthesis of NaA zeolite membranes on tubular supports. *Journal of Membrane Science*, **2004**, 244, 141-150	9.6	57
4	Preparation of MFI type tubular membranes by steam-assisted crystallization. *Microporous and Mesoporous Materials*, **2001**, 50, 195-200	5.3	49
3	Separation of hydrocarbons from natural gas using silicalite membranes. *Separation and Purification Technology*, **2001**, 25, 275-286	8.3	60
2	Nanoengineering Palladium Plasmonic Nanosheets Inside Polymer Nanospheres for Photothermal Therapy and Targeted Drug Delivery. *Advanced Functional Materials*,2106932	15.6	0
1	Evaluation of the antimicrobial activity and cytotoxicity of different components of natural origin present in essential oils		4