

Manuel Arruebo

List of Publications by Year in descending order

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164
papers

8,711
citations

47004

47
h-index

48312

88
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167
all docs

167
docs citations

167
times ranked

15016
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic nanoparticles for drug delivery. <i>Nano Today</i> , 2007, 2, 22-32.	11.9	1,347
2	Assessment of the Evolution of Cancer Treatment Therapies. <i>Cancers</i> , 2011, 3, 3279-3330.	3.7	624
3	Development of Noncytotoxic Chitosan-Gold Nanocomposites as Efficient Antibacterial Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1087-1099.	8.0	258
4	Antibody-Conjugated Nanoparticles for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-24.	2.7	232
5	Development of Magnetic Nanostructured Silica-Based Materials as Potential Vectors for Drug-Delivery Applications. <i>Chemistry of Materials</i> , 2006, 18, 1911-1919.	6.7	226
6	Cancer-derived exosomes loaded with ultrathin palladium nanosheets for targeted bioorthogonal catalysis. <i>Nature Catalysis</i> , 2019, 2, 864-872.	34.4	218
7	Near-infrared-actuated devices for remotely controlled drug delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1349-1354.	7.1	177
8	Assessing Methods for Blood Cell Cytotoxic Responses to Inorganic Nanoparticles and Nanoparticle Aggregates. <i>Small</i> , 2008, 4, 2025-2034.	10.0	166
9	Exosome origin determines cell targeting and the transfer of therapeutic nanoparticles towards target cells. <i>Journal of Nanobiotechnology</i> , 2019, 17, 16.	9.1	162
10	Smart Dressings Based on Nanostructured Fibers Containing Natural Origin Antimicrobial, Anti-Inflammatory, and Regenerative Compounds. <i>Materials</i> , 2015, 8, 5154-5193.	2.9	160
11	Drug delivery from structured porous inorganic materials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 16-30.	6.1	148
12	Synthesis of Highly Selective Magnetic Mesoporous Adsorbent. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9804-9813.	3.1	145
13	Preparation and characterization of chitosan-silver nanocomposite films and their antibacterial activity against <i>Staphylococcus aureus</i> . <i>Nanotechnology</i> , 2013, 24, 015101.	2.6	124
14	Zeolite films and membranes. Emerging applications. <i>Microporous and Mesoporous Materials</i> , 2011, 144, 19-27.	4.4	115
15	Sustained release of doxorubicin from zeolite-magnetite nanocomposites prepared by mechanical activation. <i>Nanotechnology</i> , 2006, 17, 4057-4064.	2.6	114
16	Efficient encapsulation of theranostic nanoparticles in cell-derived exosomes: leveraging the exosomal biogenesis pathway to obtain hollow gold nanoparticle-hybrids. <i>Nanoscale</i> , 2019, 11, 18825-18836.	5.6	103
17	Evaluation of the Antimicrobial Activity and Cytotoxicity of Different Components of Natural Origin Present in Essential Oils. <i>Molecules</i> , 2018, 23, 1399.	3.8	101
18	Topographical cues regulate the crosstalk between MSCs and macrophages. <i>Biomaterials</i> , 2015, 37, 124-133.	11.4	100

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19	A controlled antibiotic release system to prevent orthopedic-implant associated infections: An in vitro study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 264-271.	4.3	88
20	Development of noncytotoxic silver-chitosan nanocomposites for efficient control of biofilm forming microbes. <i>RSC Advances</i> , 2017, 7, 52398-52413.	3.6	87
21	Advances in draw solutes for forward osmosis: Hybrid organic-inorganic nanoparticles and conventional solutes. <i>Chemical Engineering Journal</i> , 2017, 309, 738-752.	12.7	87
22	Size-dependent transfection efficiency of PEI-coated gold nanoparticles. <i>Acta Biomaterialia</i> , 2011, 7, 3645-3655.	8.3	86
23	Reaction Engineering Strategies for the Production of Inorganic Nanomaterials. <i>Small</i> , 2014, 10, 835-853.	10.0	86
24	Bactericidal effects of different silver-containing materials. <i>Materials Research Bulletin</i> , 2011, 46, 2070-2076.	5.2	85
25	Preparation of Magnetic Nanoparticles Encapsulated by an Ultrathin Silica Shell via Transformation of Magnetic Fe-MCM-41. <i>Chemistry of Materials</i> , 2008, 20, 486-493.	6.7	84
26	Highly magnetic silica-coated iron nanoparticles prepared by the arc-discharge method. <i>Nanotechnology</i> , 2006, 17, 1188-1192.	2.6	83
27	Scaled-up production of plasmonic nanoparticles using microfluidics: from metal precursors to functionalized and sterilized nanoparticles. <i>Lab on A Chip</i> , 2014, 14, 325-332.	6.0	83
28	Synthesis and stealthing study of bare and PEGylated silica micro- and nanoparticles as potential drug-delivery vectors. <i>Chemical Engineering Journal</i> , 2008, 137, 45-53.	12.7	76
29	Continuous microfluidic synthesis and functionalization of gold nanorods. <i>Chemical Engineering Journal</i> , 2016, 285, 286-292.	12.7	75
30	Comparative study of the synthesis of silica nanoparticles in micromixer-microreactor and batch reactor systems. <i>Chemical Engineering Journal</i> , 2011, 171, 674-683.	12.7	74
31	Flow-synthesis of mesoporous silicas and their use in the preparation of magnetic catalysts for Knoevenagel condensation reactions. <i>Catalysis Today</i> , 2013, 204, 140-147.	4.4	72
32	Separation of hydrocarbons from natural gas using silicalite membranes. <i>Separation and Purification Technology</i> , 2001, 25, 275-286.	7.9	70
33	Gas Slug Microfluidics: A Unique Tool for Ultrafast, Highly Controlled Growth of Iron Oxide Nanostructures. <i>Chemistry of Materials</i> , 2015, 27, 4254-4260.	6.7	69
34	Peptic Ulcer Bleeding Risk. The Role of Helicobacter Pylori Infection in NSAID/Low-Dose Aspirin Users. <i>American Journal of Gastroenterology</i> , 2015, 110, 684-689.	0.4	65
35	Dual encapsulation of hydrophobic and hydrophilic drugs in PLGA nanoparticles by a single-step method: drug delivery and cytotoxicity assays. <i>RSC Advances</i> , 2016, 6, 111060-111069.	3.6	65
36	Preparation of MFI type tubular membranes by steam-assisted crystallization. <i>Microporous and Mesoporous Materials</i> , 2001, 50, 195-200.	4.4	63

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37	Magneto-plasmonic nanoparticles as theranostic platforms for magnetic resonance imaging, drug delivery and NIR hyperthermia applications. <i>Nanoscale</i> , 2014, 6, 9230.	5.6	63
38	A semi-continuous method for the synthesis of NaA zeolite membranes on tubular supports. <i>Journal of Membrane Science</i> , 2004, 244, 141-150.	8.2	60
39	Laser-driven heterogeneous catalysis: efficient amide formation catalysed by Au/SiO ₂ systems. <i>Green Chemistry</i> , 2013, 15, 2043.	9.0	58
40	Antibacterial action of Ag-containing MFI zeolite at low Ag loadings. <i>Chemical Communications</i> , 2011, 47, 680-682.	4.1	57
41	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. <i>RSC Advances</i> , 2013, 3, 10427.	3.6	56
42	Electrospun anti-inflammatory patch loaded with essential oils for wound healing. <i>International Journal of Pharmaceutics</i> , 2020, 577, 119067.	5.2	56
43	Single phase microreactor for the continuous, high-temperature synthesis of 4 nm superparamagnetic iron oxide nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 340, 66-72.	12.7	55
44	Separation of binary C5 and C6 hydrocarbon mixtures through MFI zeolite membranes. <i>Journal of Membrane Science</i> , 2006, 269, 171-176.	8.2	52
45	Continuous synthesis of drug-loaded nanoparticles using microchannel emulsification and numerical modeling: effect of passive mixing. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3397-3416.	6.7	52
46	Isolation of exosomes from whole blood by a new microfluidic device: proof of concept application in the diagnosis and monitoring of pancreatic cancer. <i>Journal of Nanobiotechnology</i> , 2020, 18, 150.	9.1	52
47	Bactericidal Effect of Gold-Chitosan Nanocomposites in Coculture Models of Pathogenic Bacteria and Human Macrophages. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17693-17701.	8.0	51
48	Reported nanosafety practices in research laboratories worldwide. <i>Nature Nanotechnology</i> , 2010, 5, 93-96.	31.5	48
49	Facile synthesis of SiO ₂ @Au nanoshells in a three-stage microfluidic system. <i>Journal of Materials Chemistry</i> , 2012, 22, 21420.	6.7	48
50	Antibody-Functionalized Hybrid Superparamagnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2007, 17, 1473-1479.	14.9	46
51	Local delivery of bone morphogenetic protein-2 from near infrared-responsive hydrogels for bone tissue regeneration. <i>Biomaterials</i> , 2020, 241, 119909.	11.4	45
52	Microfluidic Synthesis and Biological Evaluation of Photothermal Biodegradable Copper Sulfide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21545-21554.	8.0	44
53	Synthesis of Magnetic Nanocrystals by Thermal Decomposition in Glycol Media: Effect of Process Variables and Mechanistic Study. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 8348-8357.	3.7	43
54	Chitosan-based nanocomposites for the repair of bone defects. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2231-2240.	3.3	42

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55	Facile preparation of transparent and conductive polymer films based on silver nanowire/polycarbonate nanocomposites. <i>Nanotechnology</i> , 2013, 24, 275603.	2.6	41
56	Gold-coated halloysite nanotubes as tunable plasmonic platforms. <i>New Journal of Chemistry</i> , 2014, 38, 2037.	2.8	41
57	Preparation of Drug-Loaded PLGA-PEG Nanoparticles by Membrane-Assisted Nanoprecipitation. <i>Pharmaceutical Research</i> , 2017, 34, 1296-1308.	3.5	41
58	NIR-enhanced drug release from porous Au/SiO ₂ nanoparticles. <i>Chemical Communications</i> , 2010, 46, 7513.	4.1	40
59	Study on inhibitory activity of chitosan-based materials against biofilm producing <i>Pseudomonas aeruginosa</i> strains. <i>Journal of Biomaterials Applications</i> , 2015, 30, 269-278.	2.4	39
60	Plasmon-enhanced photocatalytic water purification. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15111.	2.8	38
61	Reversible stimuli-responsive nanomaterials with on-off switching ability for biomedical applications. <i>Journal of Controlled Release</i> , 2019, 314, 162-176.	9.9	38
62	Spontaneous formation of Au-Pt alloyed nanoparticles using pure nano-counterparts as starters: a ligand and size dependent process. <i>Nanoscale</i> , 2015, 7, 10152-10161.	5.6	37
63	VOCs abatement using thick eggshell Pt/SBA-15 pellets with hierarchical porosity. <i>Catalysis Today</i> , 2014, 227, 179-186.	4.4	35
64	Screen-printed nanoparticles as anti-counterfeiting tags. <i>Nanotechnology</i> , 2016, 27, 095702.	2.6	35
65	The effect of PEGylated hollow gold nanoparticles on stem cell migration: potential application in tissue regeneration. <i>Nanoscale</i> , 2017, 9, 9848-9858.	5.6	35
66	Cleavable and thermo-responsive hybrid nanoparticles for on-demand drug delivery. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 171-181.	9.4	35
67	A simple approach to obtain hybrid Au-loaded polymeric nanoparticles with a tunable metal load. <i>Nanoscale</i> , 2016, 8, 6495-6506.	5.6	34
68	Current progress and challenges of nanoparticle-based therapeutics in pain management. <i>Journal of Controlled Release</i> , 2018, 269, 189-213.	9.9	34
69	Porous orthopedic steel implant as an antibiotic eluting device: Prevention of post-surgical infection on an ovine model. <i>International Journal of Pharmaceutics</i> , 2013, 452, 166-172.	5.2	33
70	Promoting bioengineered tooth innervation using nanostructured and hybrid scaffolds. <i>Acta Biomaterialia</i> , 2017, 50, 493-501.	8.3	31
71	Enhancing of plasmonic photothermal therapy through heat-inducible transgene activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 646-656.	3.3	30
72	Extracellular Vesicles-Based Biomarkers Represent a Promising Liquid Biopsy in Endometrial Cancer. <i>Cancers</i> , 2019, 11, 2000.	3.7	30

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73	Brief survey on organometalated antibacterial drugs and metal-based materials with antibacterial activity. <i>RSC Chemical Biology</i> , 2021, 2, 368-386.	4.1	30
74	Antibacterial Effect of Thymol Loaded SBA-15 Nanorods Incorporated in PCL Electrospun Fibers. <i>Nanomaterials</i> , 2020, 10, 616.	4.1	29
75	Mesoporous silica loaded with peracetic acid and silver nanoparticles as a dual-effect, highly efficient bactericidal agent. <i>Microporous and Mesoporous Materials</i> , 2012, 161, 84-90.	4.4	28
76	Sulphonated polyether ether ketone diaphragms used in commercial scale alkaline water electrolysis. <i>Journal of Power Sources</i> , 2014, 247, 967-974.	7.8	28
77	High-Precision Photothermal Ablation Using Biocompatible Palladium Nanoparticles and Laser Scanning Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3341-3348.	8.0	28
78	Antimicrobial Electrospun Polycaprolactone-Based Wound Dressings: An <i>In Vitro</i> Study About the Importance of the Direct Contact to Elicit Bactericidal Activity. <i>Advances in Wound Care</i> , 2019, 8, 438-451.	5.1	28
79	Morphological Tunability of the Plasmonic Response: From Hollow Gold Nanoparticles to Gold Nanorings. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28804-28811.	3.1	26
80	Targeted Release of Probiotics from Enteric Microparticulated Formulations. <i>Polymers</i> , 2019, 11, 1668.	4.5	26
81	Organometallic ciprofloxacin conjugates with dual action: synthesis, characterization, and antimicrobial and cytotoxicity studies. <i>Dalton Transactions</i> , 2020, 49, 1403-1415.	3.3	26
82	Reticulated vitreous carbon: a useful material for cell adhesion and tissue invasion. , 2010, 20, 282-294.		26
83	Liver Expression of a MiniATP7B Gene Results in Long-Term Restoration of Copper Homeostasis in a Wilson Disease Model in Mice. <i>Hepatology</i> , 2019, 70, 108-126.	7.3	25
84	Mechanically reinforced biodegradable nanocomposites. A facile synthesis based on PEGylated silica nanoparticles. <i>Polymer</i> , 2010, 51, 6132-6139.	3.8	24
85	Temporal and spatial patterning of transgene expression by near-infrared irradiation. <i>Biomaterials</i> , 2014, 35, 8134-8143.	11.4	23
86	Drug-eluting wound dressings having sustained release of antimicrobial compounds. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 327-339.	4.3	23
87	Hollow porous implants filled with mesoporous silica particles as a two-stage antibiotic-eluting device. <i>International Journal of Pharmaceutics</i> , 2011, 409, 1-8.	5.2	22
88	Brownian rotational relaxation and power absorption in magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, 132-135.	2.3	21
89	Drug delivery from internally implanted biomedical devices used in traumatology and in orthopedic surgery. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 589-603.	5.0	21
90	Polymer functionalized gold nanoparticles as nonviral gene delivery reagents. <i>Journal of Gene Medicine</i> , 2017, 19, e2964.	2.8	21

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91	In-situ preparation of ultra-small Pt nanoparticles within rod-shaped mesoporous silica particles: 3-D tomography and catalytic oxidation of n-hexane. <i>Catalysis Communications</i> , 2017, 100, 93-97.	3.3	20
92	Controlled release of bupivacaine using hybrid thermoresponsive nanoparticles activated via photothermal heating. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 234-244.	9.4	20
93	Effect of Nitinol surface treatments on its physicochemical properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 337-347.	3.4	19
94	Sustainable Production of Drug-Loaded Particles by Membrane Emulsification. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6663-6674.	6.7	19
95	Differences in levan nanoparticles depending on their synthesis route: Microbial vs cell-free systems. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 62-68.	7.5	19
96	Matryoshka-type gastro-resistant microparticles for the oral treatment of <i>Mycobacterium tuberculosis</i> . <i>Nanomedicine</i> , 2019, 14, 707-726.	3.3	19
97	Pharmacokinetic control on the release of antimicrobial drugs from pH-responsive electrospun wound dressings. <i>International Journal of Pharmaceutics</i> , 2022, 624, 122003.	5.2	19
98	On the role of the colloidal stability of mesoporous silica nanoparticles as gene delivery vectors. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4097-4108.	1.9	18
99	Mechanical forces regulate stem cell response to surface topography. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 128-140.	4.0	18
100	Nanoengineered implant as a new platform for regenerative nanomedicine using 3D well-organized human cell spheroids. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 447-457.	6.7	18
101	Efficiency of Antimicrobial Electrospun Thymol-Loaded Polycaprolactone Mats In Vivo. <i>ACS Applied Bio Materials</i> , 2020, 3, 3430-3439.	4.6	18
102	Strong bactericidal synergy between peracetic acid and silver-exchanged zeolites. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 171-175.	4.4	17
103	Stability and biocompatibility of photothermal gold nanorods after lyophilization and sterilization. <i>Materials Research Bulletin</i> , 2013, 48, 4051-4057.	5.2	17
104	Chalcogenide nanoparticles and organic photosensitizers for synergetic antimicrobial photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6246-6259.	5.8	17
105	Selective delivery of photothermal nanoparticles to tumors using mesenchymal stem cells as Trojan horses. <i>RSC Advances</i> , 2016, 6, 58723-58732.	3.6	16
106	Nondestructive production of exosomes loaded with ultrathin palladium nanosheets for targeted bio-orthogonal catalysis. <i>Nature Protocols</i> , 2021, 16, 131-163.	12.0	16
107	Silver Nanoparticlesâ€“Polyethyleneimine-Based Coatings with Antiviral Activity against SARS-CoV-2: A New Method to Functionalize Filtration Media. <i>Materials</i> , 2022, 15, 4742.	2.9	16
108	Smart Implants as a Novel Strategy to Regenerate Well-Founded Cartilage. <i>Trends in Biotechnology</i> , 2017, 35, 8-11.	9.3	15

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109	Light-Emitting Photon-Upconversion Nanoparticles in the Generation of Transdermal Reactive-Oxygen Species. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41737-41747.	8.0	15
110	Novel intracellular antibiotic delivery system against <i>Staphylococcus aureus</i> : cloxacillin-loaded poly(D,L-lactide-co-glycolide) acid nanoparticles. <i>Nanomedicine</i> , 2020, 15, 1189-1203.	3.3	15
111	Lipogels responsive to near-infrared light for the triggered release of therapeutic agents. <i>Acta Biomaterialia</i> , 2017, 61, 54-65.	8.3	14
112	Towards the continuous production of Pt-based heterogeneous catalysts using microfluidic systems. <i>Dalton Transactions</i> , 2018, 47, 1693-1702.	3.3	13
113	A facile method for the controlled polymerization of biocompatible and thermoresponsive oligo(ethylene glycol) methyl ether methacrylate copolymers. <i>Polymer Journal</i> , 2018, 50, 203-211.	2.7	13
114	Preparation and Identification of Optimal Synthesis Conditions for a Novel Alkaline Anion-Exchange Membrane. <i>Polymers</i> , 2018, 10, 913.	4.5	13
115	The <i>in vivo</i> effects of silver nanoparticles on terrestrial isopods, <i>Porcellio scaber</i> , depend on a dynamic interplay between shape, size and nanoparticle dissolution properties. <i>Analyst</i> , 2019, 144, 488-497.	3.5	13
116	Customized hybrid and NIR-light triggered thermoresponsive drug delivery microparticles synthesized by photopolymerization in a one-step flow focusing continuous microreactor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110904.	5.0	13
117	Microengineered Membranes for Sustainable Production of Hydrophobic Deep Eutectic Solvent-Based Nanoemulsions by Membrane Emulsification for Enhanced Antimicrobial Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16526-16536.	6.7	13
118	Cymantrenyl-Nucleobases: Synthesis, Anticancer, Antitrypanosomal and Antimicrobial Activity Studies. <i>Molecules</i> , 2017, 22, 2220.	3.8	12
119	Rapid on-Chip Assembly of Niosomes: Batch versus Continuous Flow Reactors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19197-19207.	8.0	12
120	Antimicrobial Wound Dressings against Fluorescent and Methicillin-Sensitive Intracellular Pathogenic Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51302-51313.	8.0	12
121	On the role of components of therapeutic hydrophobic deep eutectic solvent-based nanoemulsions sustainably produced by membrane-assisted nanoemulsification for enhanced antimicrobial activity. <i>Separation and Purification Technology</i> , 2022, 285, 120319.	7.9	12
122	Chitosan-based coatings in the prevention of intravascular catheter-associated infections. <i>Journal of Biomaterials Applications</i> , 2018, 32, 725-737.	2.4	11
123	Enzyme structure and function protection from gastrointestinal degradation using enteric coatings. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 413-422.	7.5	11
124	Pro-angiogenic near infrared-responsive hydrogels for deliberate transgene expression. <i>Acta Biomaterialia</i> , 2018, 78, 123-136.	8.3	11
125	Controlling Particle Size and Release Kinetics in the Sustained Delivery of Oral Antibiotics Using pH-Independent Mucoadhesive Polymers. <i>Molecular Pharmaceutics</i> , 2020, 17, 3314-3327.	4.6	11
126	Nanogels with High Loading of Anesthetic Nanocrystals for Extended Duration of Sciatic Nerve Block. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17220-17235.	8.0	11

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127	Squalene Loaded Nanoparticles Effectively Protect Hepatic AML12 Cell Lines against Oxidative and Endoplasmic Reticulum Stress in a TXNDC5-Dependent Way. <i>Antioxidants</i> , 2022, 11, 581.	5.1	11
128	In Vitro Hydrolytic Degradation of Polyester-Based Scaffolds under Static and Dynamic Conditions in a Customized Perfusion Bioreactor. <i>Materials</i> , 2022, 15, 2572.	2.9	11
129	Gold nanoparticles for the in situ polymerization of near-infrared responsive hydrogels based on fibrin. <i>Acta Biomaterialia</i> , 2019, 100, 306-315.	8.3	10
130	Triggered drug release from hybrid thermoresponsive nanoparticles using near infrared light. <i>Nanomedicine</i> , 2020, 15, 219-234.	3.3	10
131	Near infrared dye-labelled polymeric micro- and nanomaterials: in vivo imaging and evaluation of their local persistence. <i>Nanoscale</i> , 2018, 10, 2970-2982.	5.6	9
132	Metalloccenyl 7 α -ACA Conjugates: Antibacterial Activity Studies and Atomic Resolution X-ray Crystal Structure with CTX α -M β -Lactamase. <i>ChemBioChem</i> , 2020, 21, 2187-2195.	2.6	9
133	Selective point-of-care detection of pathogenic bacteria using sialic acid functionalized gold nanoparticles. <i>Talanta</i> , 2021, 234, 122644.	5.5	9
134	Encapsulation of Large-Size Plasmids in PLGA Nanoparticles for Gene Editing: Comparison of Three Different Synthesis Methods. <i>Nanomaterials</i> , 2021, 11, 2723.	4.1	9
135	Submicronic Filtering Media Based on Electrospun Recycled PET Nanofibers: Development, Characterization, and Method to Manufacture Surgical Masks. <i>Nanomaterials</i> , 2022, 12, 925.	4.1	9
136	High-speed water sterilization using silver-containing cellulose membranes. <i>Nanotechnology</i> , 2014, 25, 305101.	2.6	8
137	Antibiotic-eluting orthopedic device to prevent early implant associated infections: Efficacy, biocompatibility and biodistribution studies in an ovine model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1976-1986.	3.4	8
138	Supramolecular Functionalizable Linear α -Dendritic Block Copolymers for the Preparation of Nanocarriers by Microfluidics. <i>Polymers</i> , 2021, 13, 684.	4.5	8
139	Nanoengineering Palladium Plasmonic Nanosheets Inside Polymer Nanospheres for Photothermal Therapy and Targeted Drug Delivery. <i>Advanced Functional Materials</i> , 2022, 32, 2106932.	14.9	8
140	Mechanochemical characterisation of silica-based coatings on Nitinol substrates. <i>Microporous and Mesoporous Materials</i> , 2007, 98, 292-302.	4.4	7
141	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, 136, 212791.		7
142	Synthesis and properties of MFI zeolite membranes prepared by microwave assisted secondary growth, from microwave derived seeds. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 129-136.	1.5	6
143	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. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14352-14358.	10.3	6
144	Spatiotemporal control of photothermal heating using pH sensitive near-infrared croconaine-based dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111936.	3.9	6

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145	Integrating Microtissues in Nanofiber Scaffolds for Regenerative Nanomedicine. <i>Materials</i> , 2015, 8, 6863-6867.	2.9	5
146	Natural polysaccharides and microfluidics: A win-win combination towards the green and continuous production of long-term stable silver nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5069-5078.	6.7	5
147	Microflow Nanoprecipitation of Positively Charged Gastroresistant Polymer Nanoparticles of Eudragit® RS100: A Study of Fluid Dynamics and Chemical Parameters. <i>Materials</i> , 2020, 13, 2925.	2.9	5
148	Light-triggered nanoparticles for pain management. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 627-633.	5.0	5
149	Microfluidic production of inorganic nanomaterials for biomedical applications. , 2019, , 179-216.		4
150	Microfluidic Synthesis of Block Copolymer Micelles: Application as Drug Nanocarriers and as Photothermal Transducers When Loading Pd Nanosheets. <i>Macromolecular Bioscience</i> , 2022, , 2100528.	4.1	4
151	Trojan pH-Sensitive Polymer Particles Produced in a Continuous-Flow Capillary Microfluidic Device Using Water-in-Oil-in-Water Double-Emulsion Droplets. <i>Micromachines</i> , 2022, 13, 878.	2.9	4
152	Efficient gram-scale continuous production of near-infrared-sensitive liposomes for light-triggered delivery of polyinosinic-polycytidylic acid. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 146, 107709.	3.6	3
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