Gareth R William

List of Publications by Year
in descending order

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202	9,312	36303	54911
papers	citations	51 h-index	84 g-index

204	204	204	10200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards understanding, control and application of layered double hydroxide chemistry. Journal of Materials Chemistry, 2006, 16, 3065.	6.7	526
2	Nanofibers Fabricated Using Triaxial Electrospinning as Zero Order Drug Delivery Systems. ACS Applied Materials & Interfaces, 2015, 7, 18891-18897.	8.0	236
3	Electrospun amorphous solid dispersions of poorly water-soluble drugs: A review. Journal of Controlled Release, 2018, 292, 91-110.	9.9	216
4	Electrospun Janus nanofibers loaded with a drug and inorganic nanoparticles as an effective antibacterial wound dressing. Materials Science and Engineering C, 2020, 111, 110805.	7.3	202
5	Electrospun curcumin-loaded fibers with potential biomedical applications. Carbohydrate Polymers, 2013, 94, 147-153.	10.2	198
6	High-quality Janus nanofibers prepared using three-fluid electrospinning. Chemical Communications, 2017, 53, 4542-4545.	4.1	177
7	Electrospun pH-sensitive coreâ€“shell polymer nanocomposites fabricated using a tri-axial process. Acta Biomaterialia, 2016, 35, 77-86.	8.3	161
8	Solar- versus Thermal-Driven Catalysis for Energy Conversion. Joule, 2019, 3, 920-937.	24.0	153
9	High pseudocapacitive cobalt carbonate hydroxide films derived from CoAl layered double hydroxides. Nanoscale, 2012, 4, 3640.	5.6	144
10	Fast dissolving paracetamol/caffeine nanofibers prepared by electrospinning. International Journal of Pharmaceutics, 2014, 477, 369-379.	5.2	139
11	Modified coaxial electrospinning for the preparation of high-quality ketoprofen-loaded cellulose acetate nanofibers. Carbohydrate Polymers, 2012, 90, 1016-1023.	10.2	136
12	Layered double hydroxide-based nanomaterials for biomedical applications. Chemical Society Reviews, 2022, 51, 6126-6176.	38.1	133
13	Energy-Saving Electrospinning with a Concentric Teflon-Core Rod Spinneret to Create Medicated Nanofibers. Polymers, 2020, 12, 2421.	4.5	130
14	Recent Developments in the Use of Layered Double Hydroxides as Host Materials for the Storage and Triggered Release of Functional Anions. Industrial & Engineering Chemistry Research, 2009, 48, 10196-10205.	3.7	129
15	Electrospun gelatin nanofibers loaded with vitamins A and E as antibacterial wound dressing materials. RSC Advances, 2016, 6, 50267-50277.	3.6	127
16	Tunable drug release from nanofibers coated with blank cellulose acetate layers fabricated using tri-axial electrospinning. Carbohydrate Polymers, 2019, 203, 228-237.	10.2	126
17	Tunable zero-order drug delivery systems created by modified triaxial electrospinning. Chemical Engineering Journal, 2019, 356, 886-894.	12.7	117
18	Lactobionic acid and carboxymethyl chitosan functionalized graphene oxide nanocomposites as targeted anticancer drug delivery systems. Carbohydrate Polymers, 2016, 151, 812-820.	10.2	114

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19	Hierarchical NiAl Layered Double Hydroxide/Multiwalled Carbon Nanotube/Nickel Foam Electrodes with Excellent Pseudocapacitive Properties. ACS Applied Materials & Interfaces, 2014, 6, 16304-16311.	8.0	112
20	Electrospun medicated shellac nanofibers for colon-targeted drug delivery. International Journal of Pharmaceutics, 2015, 490, 384-390.	5.2	112
21	Nanosized sustained-release drug depots fabricated using modified tri-axial electrospinning. Acta Biomaterialia, 2017, 53, 233-241.	8.3	110
22	Medicated Janus fibers fabricated using a Teflon-coated side-by-side spinneret. Colloids and Surfaces B: Biointerfaces, 2016, 138, 110-116.	5.0	106
23	Structural and enzyme kinetic studies of retrograded starch: Inhibition of Î±-amylase and consequences for intestinal digestion of starch. Carbohydrate Polymers, 2017, 164, 154-161.	10.2	104
24	Influence of the drug distribution in electrospun gliadin fibers on drug-release behavior. European Journal of Pharmaceutical Sciences, 2017, 106, 422-430.	4.0	104
25	Thermosensitive nanofibers loaded with ciprofloxacin as antibacterial wound dressing materials. International Journal of Pharmaceutics, 2017, 517, 135-147.	5.2	96
26	A novel family of layered double hydroxidesâ€"[MAl4(OH)12](NO3)2Â·xH2O (M = Co, Ni, Cu, Zn). Journal of Materials Chemistry, 2004, 14, 2369-2371.	6.7	93
27	Reverse Micelle Synthesis of Coâ^'Al LDHs: Control of Particle Size and Magnetic Properties. Chemistry of Materials, 2011, 23, 171-180.	6.7	92
28	Carrier-free nanodrugs for safe and effective cancer treatment. Journal of Controlled Release, 2021, 329, 805-832.	9.9	90
29	Electrospun Poly(N-isopropylacrylamide)/Ethyl Cellulose Nanofibers as Thermoresponsive Drug Delivery Systems. Journal of Pharmaceutical Sciences, 2016, 105, 1104-1112.	3.3	87
30	Multicomponent Transition Metal Dichalcogenide Nanosheets for Imagingâ€Guided Photothermal and Chemodynamic Therapy. Advanced Science, 2020, 7, 2000272.	11.2	86
31	Dual drug release nanocomposites prepared using a combination of electrospraying and electrospinning. RSC Advances, 2013, 3, 4652.	3.6	85
32	Functionalized MoS2-nanosheets for targeted drug delivery and chemo-photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2019, 173, 101-108.	5.0	82
33	Electrospinning for healthcare: recent advancements. Journal of Materials Chemistry B, 2021, 9, 939-951.	5.8	81
34	Regenerated chitin fibers reinforced with bacterial cellulose nanocrystals as suture biomaterials. Carbohydrate Polymers, 2018, 180, 304-313.	10.2	79
35	A Multifunctional Biodegradable Nanocomposite for Cancer Theranostics. Advanced Science, 2019, 6, 1802001.	11.2	72
36	Electrospun nanofibers in drug delivery: recent developments and perspectives. Therapeutic Delivery, 2012, 3, 515-533.	2.2	71

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37	The potential antiâ€infective applications of metal oxide nanoparticles: A systematic review. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1592.	6.1	70
38	Self-assembled liposomes from amphiphilic electrospun nanofibers. Soft Matter, 2011, 7, 8239.	2.7	67
39	Intercalation chemistry of the novel layered double hydroxides [MAl4(OH)12](NO3)2Â·yH2O (M = Zn, Cu,) Tj ETQq1 1 0.784314 rgBT /C 2006, 16, 1222.	6.7	63
40	Time-Resolved, In Situ X-ray Diffraction Studies of Staging during Phosphonic Acid Intercalation into [LiAl2(OH)6]ClÂ·H2O. Chemistry of Materials, 2004, 16, 975-981.	6.7	62
41	5-Fluorouracil loaded Eudragit fibers prepared by electrospinning. International Journal of Pharmaceutics, 2015, 495, 895-902.	5.2	62
42	Incorporation of cisplatin into the metalâ€“organic frameworks UiO66-NH₂ and UiO66 â€“ encapsulation vs. conjugation. RSC Advances, 2015, 5, 83648-83656.	3.6	62
43	A novel chitosan-based nanomedicine for multi-drug resistant breast cancer therapy. Chemical Engineering Journal, 2019, 369, 134-149.	12.7	61
44	Protein encapsulation by electrospinning and electrospraying. Journal of Controlled Release, 2021, 329, 1172-1197.	9.9	61
45	Electrospun formulations of bevacizumab for sustained release in the eye. Acta Biomaterialia, 2017, 64, 126-136.	8.3	59
46	Amorphous Formulations of Indomethacin and Griseofulvin Prepared by Electrospinning. Molecular Pharmaceutics, 2014, 11, 4327-4338.	4.6	58
47	Factors Influencing Staging during Anion-Exchange Intercalation into [LiAl2(OH)6]XÂ·mH2O (X = Cl-,) Tj ETQq1 1 0.784314 rgBT /Ove	6.7	57
48	Coaxial electrospinning with sodium dodecylbenzene sulfonate solution for high quality polyacrylonitrile nanofibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 396, 161-168.	4.7	57
49	Hollow Mesoporous Silica Nanoparticles Gated by Chitosan-Copper Sulfide Composites as Theranostic Agents for the Treatment of BreastÂCancer. Acta Biomaterialia, 2021, 126, 408-420.	8.3	57
50	Selective Anion-Exchange Properties of Second-Stage Layered Double Hydroxide Heterostructures. Chemistry of Materials, 2006, 18, 4312-4318.	6.7	55
51	Acoustic Immunosensing of Exosomes Using a Quartz Crystal Microbalance with Dissipation Monitoring. Analytical Chemistry, 2020, 92, 4082-4093.	6.5	55
52	Tunable drug release from blend poly(vinyl pyrrolidone)-ethyl cellulose nanofibers. International Journal of Pharmaceutics, 2019, 562, 172-179.	5.2	54
53	Poly(N-isopropylacrylamide)/poly(l-lactic acid-co-É›-caprolactone) fibers loaded with ciprofloxacin as wound dressing materials. Materials Science and Engineering C, 2017, 79, 245-254.	7.3	53
54	Combination of structure-performance and shape-performance relationships for better biphasic release in electrospun Janus fibers. International Journal of Pharmaceutics, 2021, 596, 120203.	5.2	52

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55	Encapsulation of Pharmaceutical and Nutraceutical Active Ingredients Using Electrospinning Processes. Nanomaterials, 2021, 11, 1968.	4.1	52
56	Graphite Powder and Multiwalled Carbon Nanotubes Chemically Modified with 4-Nitrobenzylamine. ChemPhysChem, 2005, 6, 352-362.	2.1	51
57	Electrospun polyacrylonitrile-glycopolymer nanofibrous membranes for enzyme immobilization. Journal of Molecular Catalysis B: Enzymatic, 2012, 76, 15-22.	1.8	51
58	Theranostic Fibers for Simultaneous Imaging and Drug Delivery. Molecular Pharmaceutics, 2016, 13, 2457-2465.	4.6	51
59	Pluronic F127-based micelles for tumor-targeted bufalin delivery. International Journal of Pharmaceutics, 2019, 559, 289-298.	5.2	51
60	Biomineralized Bimetallic Oxide Nanotheranostics for Multimodal Imaging-Guided Combination Therapy. Theranostics, 2020, 10, 841-855.	10.0	50
61	Insulin-loaded PLGA microspheres for glucose-responsive release. Drug Delivery, 2017, 24, 1513-1525.	5.7	49
62	The effect of collection substrate on electrospun ciprofloxacin-loaded poly(vinylpyrrolidone) and ethyl cellulose nanofibers as potential wound dressing materials. Materials Science and Engineering C, 2019, 104, 109917.	7.3	49
63	Functionalized boron nanosheets as an intelligent nanoplatform for synergistic low-temperature photothermal therapy and chemotherapy. Nanoscale, 2020, 12, 14739-14750.	5.6	49
64	Multifunctional fabrics finished using electrosprayed hybrid Janus particles containing nanocatalysts. Chemical Engineering Journal, 2021, 411, 128474.	12.7	49
65	Preparation of ultrafine fast-dissolving feruloyl-oleyl-glycerol-loaded polyvinylpyrrolidone fiber mats via electrospinning. Colloids and Surfaces B: Biointerfaces, 2011, 88, 304-309.	5.0	47
66	Tunable biphasic drug release from ethyl cellulose nanofibers fabricated using a modified coaxial electrospinning process. Nanoscale Research Letters, 2014, 9, 258.	5.7	47
67	Electrospun Contrastâ€Agentâ€Loaded Fibers for Colonâ€Targeted MRI. Advanced Healthcare Materials, 2016, 5, 977-985.	7.6	47
68	Layered Double Hydroxide Modified Bone Cement Promoting Osseointegration via Multiple Osteogenic Signal Pathways. ACS Nano, 2021, 15, 9732-9745.	14.6	47
69	Intercalation chemistry of the novel layered double hydroxides [MAl4(OH)12](NO3)2Â·yH2O (M = Zn, Cu,) Tj ETQq1 1 0.784314 rgBT	6.7	46
70	Mebeverineâ€Loaded Electrospun Nanofibers: Physicochemical Characterization and Dissolution Studies. Journal of Pharmaceutical Sciences, 2014, 103, 283-292.	3.3	45
71	Immunity induced by a broad class of inorganic crystalline materials is directly controlled by their chemistry. Journal of Experimental Medicine, 2014, 211, 1019-1025.	8.5	45
72	Dual-responsive nanoparticles based on chitosan for enhanced breast cancer therapy. Carbohydrate Polymers, 2019, 221, 84-93.	10.2	45

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73	Immediate release of helicid from nanoparticles produced by modified coaxial electrospraying. Applied Surface Science, 2019, 473, 148-155.	6.1	45
74	Solid lipid nanoparticles self-assembled from electrosprayed polymer-based microparticles. Journal of Materials Chemistry, 2011, 21, 15957.	6.7	44
75	Layered double hydroxide-oxidized carbon nanotube hybrids as highly efficient flame retardant nanofillers for polypropylene. Scientific Reports, 2016, 6, 35502.	3.3	44
76	Dual temperature and pH responsive nanofiber formulations prepared by electrospinning. Colloids and Surfaces B: Biointerfaces, 2018, 171, 142-149.	5.0	44
77	Peptide functionalized dual-responsive chitosan nanoparticles for controlled drug delivery to breast cancer cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 564, 122-130.	4.7	44
78	New insights into the intercalation chemistry of Al(OH)3. Dalton Transactions, 2011, 40, 6012.	3.3	43
79	Fast-Dissolving Core-Shell Composite Microparticles of Quercetin Fabricated Using a Coaxial Electrospray Process. PLoS ONE, 2014, 9, e92106.	2.5	43
80	A Kinetic Study of the Intercalation of Lithium Salts into Al(OH)3. Journal of Physical Chemistry B, 2006, 110, 10619-10629.	2.6	42
81	A Novel Transdermal Protein Delivery Strategy via Electrohydrodynamic Coating of PLGA Microparticles onto Microneedles. ACS Applied Materials & Interfaces, 2020, 12, 12478-12488.	8.0	42
82	Ultrathin chalcogenide nanosheets for photoacoustic imaging-guided synergistic photothermal/gas therapy. Biomaterials, 2021, 273, 120807.	11.4	42
83	The Development and Bio-applications of Multifluid Electrospinning. Materials Highlights, 2020, 1, 1.	1.8	42
84	Electrospun formulations of acyclovir, ciprofloxacin and cyanocobalamin for ocular drug delivery. International Journal of Pharmaceutics, 2016, 502, 208-218.	5.2	41
85	Electrospun fixed dose formulations of amlodipine besylate and valsartan. International Journal of Pharmaceutics, 2018, 549, 446-455.	5.2	41
86	Stabilisation of metastable polymorphs: the case of paracetamol form III. Chemical Communications, 2016, 52, 12028-12031.	4.1	39
87	Biopolymer-Based Nanohydroxyapatite Composites for the Removal of Fluoride, Lead, Cadmium, and Arsenic from Water. ACS Omega, 2021, 6, 8517-8530.	3.5	39
88	Co-Loading of Inorganic Nanoparticles and Natural Oil in the Electrospun Janus Nanofibers for a Synergetic Antibacterial Effect. Pharmaceutics, 2022, 14, 1208.	4.5	38
89	Fast-dissolving sweet sedative nanofiber membranes. Journal of Materials Science, 2015, 50, 3604-3613.	3.7	37
90	A thermosensitive drug delivery system prepared by blend electrospinning. Colloids and Surfaces B: Biointerfaces, 2017, 159, 277-283.	5.0	37

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91	Reversible lithium insertion and copper extrusion in layered oxysulfides. Chemical Communications, 2006, , 2869.	4.1	36
92	A synchrotron radiation study of the hydrothermal synthesis of layered double hydroxides from MgO and Al2O3 slurries. Green Chemistry, 2007, 9, 373.	9.0	35
93	Dual-responsive molybdenum disulfide/copper sulfide-based delivery systems for enhanced chemo-photothermal therapy. Journal of Colloid and Interface Science, 2019, 539, 433-441.	9.4	35
94	Staging during anion-exchange intercalation into [LiAl2(OH)6]ClÂ·yH2O: structural and mechanistic insights. Dalton Transactions, 2007, , 3499.	3.3	34
95	Hydroxy double salts as versatile storage and delivery matrices. Journal of Materials Chemistry, 2011, 21, 1822-1828.	6.7	34
96	Dual-responsive drug delivery systems prepared by blend electrospinning. International Journal of Pharmaceutics, 2018, 543, 1-7.	5.2	34
97	Erythrocyte Membrane Cloaked Curcumin-Loaded Nanoparticles for Enhanced Chemotherapy. Pharmaceutics, 2019, 11, 429.	4.5	34
98	Electrospun gelatin/sodium bicarbonate and poly(lactide-co-Îµ-caprolactone)/sodium bicarbonate nanofibers as drug delivery systems. Materials Science and Engineering C, 2017, 81, 359-365.	7.3	33
99	Effective delivery of hydrophobic drugs to breast and liver cancer cells using a hybrid inorganic nanocarrier: A detailed investigation using cytotoxicity assays, fluorescence imaging and flow cytometry. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 18-26.	4.3	33
100	Injectables and Depots to Prolong Drug Action of Proteins and Peptides. Pharmaceutics, 2020, 12, 999.	4.5	32
101	A systematic study of captopril-loaded polyester fiber mats prepared by electrospinning. International Journal of Pharmaceutics, 2012, 439, 100-108.	5.2	31
102	Electrospun acidâ€“base pair solid dispersions of quercetin. RSC Advances, 2014, 4, 58265-58271.	3.6	31
103	Pulsatile drug release from electrospun poly(ethylene oxide)â€“sodium alginate blend nanofibres. Journal of Materials Chemistry B, 2014, 2, 1400-1407.	5.8	31
104	Particulate inorganic adjuvants: recent developments and future outlook. Journal of Pharmacy and Pharmacology, 2015, 67, 426-449.	2.4	31
105	Solid-state protein formulations. Therapeutic Delivery, 2015, 6, 59-82.	2.2	31
106	Electrospun organicâ€“inorganic nanohybrids as sustained release drug delivery systems. Journal of Materials Chemistry B, 2017, 5, 9165-9174.	5.8	31
107	Olanzapine Form IV: Discovery of a New Polymorphic Form Enabled by Computed Crystal Energy Landscapes. Crystal Growth and Design, 2019, 19, 2751-2757.	3.0	31
108	The formation of ordered heterostructures during the intercalation of phosphonic acids into a layered double hydroxide. Chemical Communications, 2003, , 1816.	4.1	29

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109	Mg/Al-CO3 layered double hydroxide nanorings. Journal of Materials Chemistry, 2011, 21, 14741.	6.7	29
110	Core/shell poly(ethylene oxide)/Eudragit fibers for site-specific release. International Journal of Pharmaceutics, 2017, 523, 376-385.	5.2	29
111	Intercalation and Controlled Release of Bioactive Ions Using a Hydroxy Double Salt. Industrial & Engineering Chemistry Research, 2012, 51, 2913-2921.	3.7	28
112	Simultaneous Differential Scanning Calorimetry-Synchrotron X-ray Powder Diffraction: A Powerful Technique for Physical Form Characterization in Pharmaceutical Materials. Analytical Chemistry, 2016, 88, 10111-10117.	6.5	27
113	Electrospun boronic acid-containing polymer membranes as fluorescent sensors for bacteria detection. Reactive and Functional Polymers, 2017, 121, 23-31.	4.1	27
114	Electrosprayed Janus Particles for Combined Photo-Chemotherapy. AAPS PharmSciTech, 2017, 18, 1460-1468.	3.3	27
115	Core-shell poly(lactide-co-Îµ-caprolactone)-gelatin fiber scaffolds as pH-sensitive drug delivery systems. Journal of Biomaterials Applications, 2018, 32, 1105-1118.	2.4	27
116	Osteochondral Tissue Engineering: The Potential of Electrospinning and Additive Manufacturing. Pharmaceutics, 2021, 13, 983.	4.5	27
117	New phosphonate intercalates of [Ca2Al(OH)6]NO3â‹…yH2O: A synthetic and kinetic study. Solid State Sciences, 2006, 8, 971-980.	3.2	26
118	Stealth Polydopamine-Based Nanoparticles with Red Blood Cell Membrane for the Chemo-Photothermal Therapy of Cancer. ACS Applied Bio Materials, 2020, 3, 2350-2359.	4.6	26
119	Smooth preparation of ibuprofen/zein microcomposites using an epoxy-coated electrospraying head. Materials Letters, 2013, 93, 125-128.	2.6	25
120	Glucose- and temperature-sensitive nanoparticles for insulin delivery. International Journal of Nanomedicine, 2017, Volume 12, 4037-4057.	6.7	25
121	Improved nanocomposite of montmorillonite and hydroxyapatite for defluoridation of water. RSC Advances, 2019, 9, 35588-35598.	3.6	25
122	pH-Responsive nanocomposite fibres allowing MRI monitoring of drug release. Journal of Materials Chemistry B, 2020, 8, 7264-7274.	5.8	25
123	Highly stable coated polyvinylpyrrolidone nanofibers prepared using modified coaxial electrospinning. Fibers and Polymers, 2014, 15, 78-83.	2.1	24
124	Liraglutide-loaded poly(lactic-co-glycolic acid) microspheres: Preparation and in vivo evaluation. European Journal of Pharmaceutical Sciences, 2016, 92, 28-38.	4.0	23
125	pH-responsive liposomes self-assembled from electrosprayed microparticles, and their drug release properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 20-27.	4.7	23
126	Incorporation of phosphorus oxyacids into layered double hydroxides. Solid State Sciences, 2009, 11, 1229-1238.	3.2	22

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127	A simple route to form magnetic chitosan nanoparticles from coaxial-electrospun composite nanofibers. Journal of Materials Science, 2013, 48, 3991-3998.	3.7	22
128	Layered gadolinium hydroxides for simultaneous drug delivery and imaging. Dalton Transactions, 2018, 47, 3166-3177.	3.3	22
129	Polymer-Based Reconstruction of the Inferior Vena Cava in Rat: Stem Cells or RGD Peptide?. Tissue Engineering - Part A, 2015, 21, 1552-1564.	3.1	21
130	The intercalation of flavouring compounds into layered double hydroxides. Journal of Materials Chemistry, 2011, 21, 17896.	6.7	20
131	Microwave assisted accelerated fluoride adsorption by porous nanohydroxyapatite. Materials Chemistry and Physics, 2021, 257, 123712.	4.0	20
132	Self-assembled magnetic liposomes from electrospun fibers. Materials Research Bulletin, 2014, 53, 280-289.	5.2	19
133	Fabrication of Electrospun Levodopa-Carbidopa Fixed-Dose Combinations. Advanced Fiber Materials, 2020, 2, 194-203.	16.1	19
134	The selective intercalation of organic carboxylates and sulfonates into hydroxy double salts. Journal of Materials Chemistry, 2012, 22, 13600.	6.7	18
135	Electrospun oral formulations for combined photo-chemotherapy of colon cancer. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110411.	5.0	17
136	An investigation of rhinovirus infection on cellular uptake of poly (glycerol-adipate) nanoparticles. International Journal of Pharmaceutics, 2020, 589, 119826.	5.2	17
137	Theranostics for MRIâ€guided therapy: Recent developments. View, 2022, 3, 20200134.	5.3	17
138	Metal chelate affinity precipitation: Purification of BSA using poly(N-vinylcaprolactam-co-methacrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.0	16
139	Electrospun glycopolymer fibers for lectin recognition. Polymer Chemistry, 2014, 5, 3009-3017.	3.9	16
140	Synergistic Chemo-Photothermal Suppression of Cancer by Melanin Decorated MoO_x Nanosheets. ACS Applied Bio Materials, 2019, 2, 4356-4366.	4.6	16
141	2D antimonene-integrated composite nanomedicine for augmented low-temperature photonic tumor hyperthermia by reversing cell thermoresistance. Bioactive Materials, 2022, 10, 295-305.	15.6	16
142	Incorporation of Li into MnOOH:Â An In Situ X-ray and Neutron Diffraction Study. Chemistry of Materials, 2006, 18, 3801-3807.	6.7	15
143	Electrospinning using a Teflon-coated spinneret. Applied Surface Science, 2013, 284, 889-893.	6.1	15
144	Fabrication and aggregation of thermoresponsive glucose-functionalized double hydrophilic copolymers. Colloids and Surfaces B: Biointerfaces, 2013, 105, 180-186.	5.0	15

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145	The potential for a protective vaccine for rhinovirus infections. Expert Review of Vaccines, 2016, 15, 569-571.	4.4	15
146	Self-assembled core-shell Fe3O4@SiO2 nanoparticles from electrospun fibers. Materials Research Bulletin, 2013, 48, 3058-3064.	5.2	14
147	The Effect of Molecular Properties on Active Ingredient Release from Electrospun Eudragit Fibers. Pharmaceutics, 2018, 10, 103.	4.5	14
148	SiO2-coated layered gadolinium hydroxides for simultaneous drug delivery and magnetic resonance imaging. Journal of Solid State Chemistry, 2020, 286, 121291.	2.9	14
149	Dual-Mode and Label-Free Detection of Exosomes from Plasma Using an Electrochemical Quartz Crystal Microbalance with Dissipation Monitoring. Analytical Chemistry, 2022, 94, 2465-2475.	6.5	14
150	Mesoporous Doxorubicin-Loaded Polydopamine Nanoparticles Coated with a Platelet Membrane Suppress Tumor Growth in a Murine Model of Human Breast Cancer. ACS Applied Bio Materials, 2022, 5, 123-133.	4.6	13
151	The application of statistical methodology to the analysis of time-resolved X-ray diffraction data. Analytical Methods, 2011, 3, 814.	2.7	12
152	A kinetic and mechanistic study into the formation of the Cuâ€“Cr layered double hydroxide. Physical Chemistry Chemical Physics, 2013, 15, 8616.	2.8	12
153	Flexible Free-Standing Luminescent Two-Component Fiber Films with Tunable Hierarchical Structures Based on Hydrogen-Bonding Architecture. Langmuir, 2013, 29, 15673-15681.	3.5	12
154	Galactose functionalized injectable thermoresponsive microgels for sustained protein release. Colloids and Surfaces B: Biointerfaces, 2014, 113, 368-374.	5.0	12
155	Polymorphic Phase Transitions in Carbamazepine and 10,11â€Dihydrocarbamazepine. Chemistry - A European Journal, 2018, 24, 13573-13581.	3.3	12
156	The Effect of Solvent Vapor Annealing on Drug-Loaded Electrospun Polymer Fibers. Pharmaceutics, 2020, 12, 139.	4.5	12
157	A kinetic and mechanistic study into the transformation of calcium sulfate hemihydrate to dihydrate. Journal of Synchrotron Radiation, 2019, 26, 774-784.	2.4	12
158	A thermodynamically stable layered double hydroxide heterostructure. Journal of Materials Chemistry, 2009, 19, 4211.	6.7	11
159	Controlled local release of PPARÎ³ agonists from biomaterials to treat peripheral nerve injury. Journal of Neural Engineering, 2020, 17, 046030.	3.5	11
160	Hydroxy double salts loaded with bioactive ions: Synthesis, intercalation mechanisms, and functional performance. Journal of Solid State Chemistry, 2016, 238, 129-138.	2.9	10
161	New biocompatible hydroxy double salts and their drug delivery properties. Journal of Materials Chemistry B, 2016, 4, 5789-5793.	5.8	10
162	Structureâ€“Activity Relationship of Lanthanide-Incorporated Nano-Hydroxyapatite for the Adsorption of Fluoride and Lead. ACS Omega, 2021, 6, 13527-13543.	3.5	10

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163	Hydroxy double salts intercalated with Mn(II) complexes as potential contrast agents. Solid State Sciences, 2016, 53, 9-16.	3.2	9
164	Developing and scaling up fast-dissolving electrospun formulations based on poly(vinylpyrrolidone) and ketoprofen. Journal of Drug Delivery Science and Technology, 2021, 61, 102138.	3.0	9
165	Electrospun fixed dose combination fibers for the treatment of cardiovascular disease. International Journal of Pharmaceutics, 2021, 599, 120426.	5.2	9
166	An alginate-based encapsulation system for delivery of therapeutic cells to the CNS. RSC Advances, 2022, 12, 4005-4015.	3.6	9
167	The intercalation of bicyclic and tricyclic carboxylates into layered double hydroxides. Journal of Solid State Chemistry, 2010, 183, 2877-2885.	2.9	8
168	Thermal Behavior of Benzoic Acid/Isonicotinamide Binary Cocrystals. Crystal Growth and Design, 2015, 15, 3249-3256.	3.0	8
169	Solid lipid nanoparticles self-assembled from spray dried microparticles. International Journal of Pharmaceutics, 2019, 572, 118784.	5.2	8
170	Gaseous â€œnanoprobesâ€•for detecting gas-trapping environments in macroscopic films of vapor-deposited amorphous ice. Journal of Chemical Physics, 2019, 151, 134505.	3.0	8
171	Human mouthfeel panel investigating the acceptability of electrospun and solvent cast orodispersible films. International Journal of Pharmaceutics, 2020, 585, 119532.	5.2	8
172	Extracellular vesicles can be processed by electrospinning without loss of structure or function. Materials Letters, 2021, 282, 128671.	2.6	7
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