Ravin Narain

List of Publications by Year
in descending order

158 papers	6,749 citations	41258 49 h-index	79541 73 g-index
199 all docs	199 docs citations	199 times ranked	7175 citing authors

#	Article	IF	Citations
1	Synthesis and Aqueous Solution Properties of Novel Sugar Methacrylate-Based Homopolymers and Block Copolymers. Biomacromolecules, 2003, 4, 1746-1758.	2.6	237
2	Bioinspired Self-Healing Hydrogel Based on Benzoxaborole-Catechol Dynamic Covalent Chemistry for 3D Cell Encapsulation. ACS Macro Letters, 2018, 7, 904-908.	2.3	149
3	Progress of RAFT based polymers in gene delivery. Progress in Polymer Science, 2013, 38, 767-790.	11.8	137
4	Fabrication of antifouling and antibacterial polyethersulfone (PES)/cellulose nanocrystals (CNC) nanocomposite membranes. Journal of Membrane Science, 2018, 549, 350-356.	4.1	135
5	Synthesis of Monodisperse Biotinylated p(NIPAAm)-Coated Iron Oxide Magnetic Nanoparticles and their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 6299-6304.	1.6	133
6	The effect of polymer architecture, composition, and molecular weight on the properties of glycopolymer-based non-viral gene delivery systems. Biomaterials, 2011, 32, 5279-5290.	5.7	125
7	Physical structure variations of bacterial cellulose produced by different Komagataeibacter xylinus strains and carbon sources in static and agitated conditions. Cellulose, 2018, 25, 1571-1581.	2.4	122
8	Thermo-Responsive Poly(N-Isopropylacrylamide)-Cellulose Nanocrystals Hybrid Hydrogels for Wound Dressing. Polymers, 2017, 9, 119.	2.0	121
9	Bioinspired dopamine and zwitterionic polymers for non-fouling surface engineering. Chemical Society Reviews, 2021, 50, 11668-11683.	18.7	120
10	Temperature, pH, and Glucose Responsive Gels via Simple Mixing of Boroxole- and Glyco-Based Polymers. ACS Macro Letters, 2013, 2, 260-264.	2.3	113
11	Direct Synthesis and Aqueous Solution Properties of Well-Defined Cyclic Sugar Methacrylate Polymers. Macromolecules, 2003, 36, 4675-4678.	2.2	109
12	Recent development and biomedical applications of self-healing hydrogels. Expert Opinion on Drug Delivery, 2018, 15, 77-91.	2.4	108
13	Recent Advances in Dual Temperature Responsive Block Copolymers and Their Potential as Biomedical Applications. Polymers, 2016, 8, 380.	2.0	102
14	Synthesis of low polydispersity, controlled-structure sugar methacrylate polymers under mild conditions without protecting group chemistryElectronic supplementary information (ESI) available: experimental protocols, spectroscopic characterization and rates of polymerization. See http://www.rsc.org/suppdata/cc/b2/b208654a/. Chemical Communications, 2002, , 2776-2777.	2.2	100
15	Biotinylated Glyco-Functionalized Quantum Dots: Synthesis, Characterization, and Cytotoxicity Studies. Bioconjugate Chemistry, 2009, 20, 994-1001.	1.8	99
16	Rational Design of Self-Healing Tough Hydrogels: A Mini Review. Frontiers in Chemistry, 2018, 6, 497.	1.8	99
17	The effect of molecular weight, compositions and lectin type on the properties of hyperbranched glycopolymers as non-viral gene delivery systems. Biomaterials, 2012, 33, 3990-4001.	5.7	97
18	Degradable Thermoresponsive Nanogels for Protein Encapsulation and Controlled Release. Bioconjugate Chemistry, 2012, 23, 75-83.	1.8	91

#	Article	IF	Citations
19	Cationic Glyco-Functionalized Single-Walled Carbon Nanotubes as Efficient Gene Delivery Vehicles. Bioconjugate Chemistry, 2009, 20, 2017-2022.	1.8	90
20	Injectable, Self-Healing Hydrogel with Tunable Optical, Mechanical, and Antimicrobial Properties. Chemistry of Materials, 2019, 31, 2366-2376.	3.2	86
21	Facile Preparation of Glyconanoparticles and Their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 5056-5061.	1.6	85
22	Facile synthesis of controlledâ€structure primary amineâ€based methacrylamide polymers via the reversible additionâ€fragmentation chain transfer process. Journal of Polymer Science Part A, 2008, 46, 4984-4996.	2.5	85
23	Well-Defined Galactose-Containing Multi-Functional Copolymers and Glyconanoparticles for Biomolecular Recognition Processes. Macromolecules, 2009, 42, 6393-6405.	2.2	84
24	Novel wellâ€defined glycopolymers synthesized via the reversible addition fragmentation chain transfer process in aqueous media. Journal of Polymer Science Part A, 2009, 47, 614-627.	2.5	82
25	Injectable Self-Healing Zwitterionic Hydrogels Based on Dynamic Benzoxaboroleâ€“Sugar Interactions with Tunable Mechanical Properties. Biomacromolecules, 2018, 19, 596-605.	2.6	81
26	Water-Assisted Atom Transfer Radical Polymerization of N-Isopropylacrylamide: Nature of Solvent and Temperature. Journal of Physical Chemistry B, 2009, 113, 676-681.	1.2	79
27	Fabrication of Two Types of Shell-Cross-Linked Micelles with â€œInvertedâ€•Structures in Aqueous Solution from Schizophrenic Water-Soluble ABC Triblock Copolymer via Click Chemistry. Langmuir, 2009, 25, 2046-2054.	1.6	78
28	Biomimetic Stimulus-Responsive Star Diblock Gelators. Langmuir, 2005, 21, 9946-9954.	1.6	76
29	Glycopolymers and Glycoâ€nanoparticles in Biomolecular Recognition Processes and Vaccine Development. Macromolecular Bioscience, 2013, 13, 9-27.	2.1	75
30	Bacterial Cellulose Nanocrystals (BCNC) Preparation and Characterization from Three Bacterial Cellulose Sources and Development of Functionalized BCNCs as Nucleic Acid Delivery Systems. ACS Applied Nano Materials, 2018, 1, 209-221.	2.4	73
31	Monodisperse Protein Stabilized Gold Nanoparticles via a Simple Photochemical Process. Journal of Physical Chemistry C, 2008, 112, 12282-12290.	1.5	69
32	Hyperbranched Glycopolymers for Blood Biocompatibility. Bioconjugate Chemistry, 2012, 23, 1050-1058.	1.8	67
33	Degradable Thermoresponsive Core Cross-Linked Micelles: Fabrication, Surface Functionalization, and Biorecognition. Langmuir, 2009, 25, 13344-13350.	1.6	65
34	Antifouling and Antibacterial Polymer-Coated Surfaces Based on the Combined Effect of Zwitterions and the Natural Borneol. ACS Applied Materials & Interfaces, 2021, 13, 9006-9014.	4.0	65
35	Schiff base complexes of ruthenium(II) and their use as catalytic oxidants. Polyhedron, 1998, 18, 341-345.	1.0	64
36	In Situ Forming, Dual-Crosslink Network, Self-Healing Hydrogel Enabled by a Bioorthogonal Nopoldiolâ€“Benzoxaborolate Click Reaction with a Wide pH Range. Chemistry of Materials, 2019, 31, 4092-4102.	3.2	64

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37	Cationic Glyconanoparticles: Their Complexation with DNA, Cellular Uptake, and Transfection Efficiencies. Bioconjugate Chemistry, 2009, 20, 2169-2176.	1.8	63
38	Asialoglycoprotein Receptor-Mediated Gene Delivery to Hepatocytes Using Galactosylated Polymers. Biomacromolecules, 2015, 16, 3008-3020.	2.6	63
39	Injectable, Self-Healing, and Multi-Responsive Hydrogels via Dynamic Covalent Bond Formation between Benzoxaborole and Hydroxyl Groups. Biomacromolecules, 2019, 20, 1028-1035.	2.6	63
40	Rapid Mussel-Inspired Surface Zwitteration for Enhanced Antifouling and Antibacterial Properties. Langmuir, 2019, 35, 1621-1630.	1.6	62
41	Preparation of Biotinylated Glyconanoparticles via a Photochemical Process and Study of Their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 12835-12841.	1.6	59
42	A pH-Indicating Colorimetric Tough Hydrogel Patch towards Applications in a Substrate for Smart Wound Dressings. Polymers, 2017, 9, 558.	2.0	59
43	Impact of the nature, size and chain topologies of carbohydrateâ€“phosphorylcholine polymeric gene delivery systems. Biomaterials, 2012, 33, 7858-7870.	5.7	58
44	Synthesis of Biotinylated Î±-d-Mannoside or N-Acetyl Î²-d-Glucosaminoside Decorated Gold Nanoparticles: Study of Their Biomolecular Recognition with Con A and WGA Lectins. Bioconjugate Chemistry, 2010, 21, 521-530.	1.8	57
45	Smart Biomaterials. NIMS Monographs, 2014, , .	0.1	57
46	Galactose-based Thermosensitive Nanogels for Targeted Drug Delivery of Iodoazomycin Arabinofuranoside (IAZA) for Theranostic Management of Hypoxic Hepatocellular Carcinoma. Biomacromolecules, 2015, 16, 1978-1986.	2.6	57
47	Injectable Self-Healing Hydrogel via Biological Environment-Adaptive Supramolecular Assembly for Gastric Perforation Healing. ACS Nano, 2021, 15, 9913-9923.	7.3	57
48	Syntheses and micellar properties of well-defined amphiphilic AB2 and A2B Y-shaped miktoarm star copolymers of É›-caprolactone and 2-(dimethylamino)ethyl methacrylate. Journal of Polymer Science Part A, 2007, 45, 1446-1462.	2.5	55
49	Recent advances in the preparation of glycopolymer bioconjugates. European Polymer Journal, 2013, 49, 3010-3033.	2.6	51
50	Modification of carboxyl-functionalized single-walled carbon nanotubes with biocompatible, water-soluble phosphorylcholine and sugar-based polymers: Bioinspired nanorods. Journal of Polymer Science Part A, 2006, 44, 6558-6568.	2.5	50
51	Intracellular Delivery of DNA and Enzyme in Active Form Using Degradable Carbohydrate-Based Nanogels. Molecular Pharmaceutics, 2012, 9, 3160-3170.	2.3	50
52	Smart Hydrogels. NIMS Monographs, 2014, , 9-65.	0.1	50
53	Biodegradable and Nontoxic Nanogels as Nonviral Gene Delivery Systems. Bioconjugate Chemistry, 2012, 23, 1925-1933.	1.8	49
54	Fabrication of doubly responsive polymer functionalized silica nanoparticles via a simple thiolâ€“ene click chemistry. Polymer Chemistry, 2012, 3, 2545.	1.9	49

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55	Study of Bacterial Adhesion on Different Glycopolymer Surfaces by Quartz Crystal Microbalance with Dissipation. Langmuir, 2014, 30, 7377-7387.	1.6	49
56	Detailed study of the reversible additionâ€“fragmentation chain transfer polymerization and co-polymerization of 2-methacryloyloxyethyl phosphorylcholine. Polymer Chemistry, 2011, 2, 632-639.	1.9	48
57	Synthesis and Evaluation of Glycopolymeric Decorated Gold Nanoparticles Functionalized with Gold-Triphenyl Phosphine as Anti-Cancer Agents. Biomacromolecules, 2014, 15, 3802-3810.	2.6	48
58	Synthesis and characterization of novel glycosurfaces by ATRP. Soft Matter, 2009, 5, 1621.	1.2	47
59	Well-Controlled Cationic Water-Soluble Phospholipid Polymerâ€“DNA Nanocomplexes for Gene Delivery. Bioconjugate Chemistry, 2011, 22, 1228-1238.	1.8	47
60	Study of Transfection Efficiencies of Cationic Glyconanoparticles of Different Sizes in Human Cell Line. ACS Applied Materials & Interfaces, 2009, 1, 1980-1987.	4.0	46
61	Therapeutic potential of carbohydrate-based polymeric and nanoparticle systems. Expert Opinion on Drug Delivery, 2014, 11, 867-884.	2.4	43
62	Cationic glyco-nanogels for epidermal growth factor receptor (EGFR) specific siRNA delivery in ovarian cancer cells. Polymer Chemistry, 2013, 4, 3829.	1.9	42
63	Self-Healing and Injectable Shear Thinning Hydrogels Based on Dynamic Oxaborole-Diol Covalent Cross-Linking. ACS Biomaterials Science and Engineering, 2016, 2, 2315-2323.	2.6	42
64	Study of Bacterial Adhesion on Biomimetic Temperature Responsive Glycopolymer Surfaces. ACS Applied Materials & Interfaces, 2015, 7, 1652-1661.	4.0	41
65	Carbohydrate-based materials for targeted delivery of drugs and genes to the liver. Nanomedicine, 2015, 10, 2263-2288.	1.7	41
66	Rapid and Highly Sensitive Detection of Dopamine Using Conjugated Oxaborole-Based Polymer and Glycopolymer Systems. ACS Applied Materials & Interfaces, 2017, 9, 15225-15231.	4.0	41
67	Flocculation and Dewatering of Mature Fine Tailings Using Temperature-Responsive Cationic Polymers. Langmuir, 2017, 33, 5900-5909.	1.6	41
68	Synthesis and characterization of novel (amideâ€“imide)-silica composites by the solâ€“gel process. Composites Science and Technology, 2008, 68, 617-624.	3.8	40
69	Covalently stabilized temperature and pH responsive four-layer nanoparticles fabricated from surface â€˜clickableâ€™ shell cross-linked micelles. Soft Matter, 2009, 5, 1530.	1.2	40
70	Temperature-Responsive Hyperbranched Amine-Based Polymers for Solidâ€“Liquid Separation. Langmuir, 2014, 30, 2360-2368.	1.6	40
71	Synthesis and Evaluation of Polymeric Gold Glyco-Conjugates as Anti-Cancer Agents. Bioconjugate Chemistry, 2013, 24, 979-986.	1.8	38
72	Dopamine Assisted Self-Cleaning, Antifouling, and Antibacterial Coating via Dynamic Covalent Interactions. ACS Applied Materials & Interfaces, 2022, 14, 9557-9569.	4.0	37

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73	Synthesis and characterization of polymers containing linear sugar moieties as side groups. European Polymer Journal, 2002, 38, 273-280.	2.6	36
74	Tailor-made proteinâ€“glycopolymer bioconjugates. Reactive and Functional Polymers, 2006, 66, 1589-1595.	2.0	36
75	Cell line dependent uptake and transfection efficiencies of PEIâ€“anionic glycopolymer systems. Biomaterials, 2013, 34, 4368-4376.	5.7	36
76	Probing temperature-sensitive behavior of pNIPAAm-coated iron oxide nanoparticles using frequency-dependent magnetic measurements. Journal of Magnetism and Magnetic Materials, 2009, 321, 1377-1380.	1.0	35
77	Novel temperature-responsive polymer brushes with carbohydrate residues facilitate selective adhesion and collection of hepatocytes. Science and Technology of Advanced Materials, 2012, 13, 064206.	2.8	35
78	Multiresponsive and Self-Healing Hydrogel via Formation of Polymerâ€“Nanogel Interfacial Dynamic Benzoxaborole Esters at Physiological pH. ACS Applied Materials & Interfaces, 2019, 11, 44742-44750.	4.0	35
79	Dual Cross-Linked Hydrogels with Injectable, Self-Healing, and Antibacterial Properties Based on the Chemical and Physical Cross-Linking. Biomacromolecules, 2021, 22, 1685-1694.	2.6	35
80	Synthesis of Highly Biocompatible and Temperature-Responsive Physical Gels for Cryopreservation and 3D Cell Culture. ACS Applied Bio Materials, 2018, 1, 356-366.	2.3	33
81	Effective and Specific Gene Silencing of Epidermal Growth Factor Receptors Mediated by Conjugated Oxaborole and Galactose-Based Polymers. ACS Macro Letters, 2017, 6, 768-774.	2.3	31
82	Synthesis and characterization of biocompatible magnetic glyconanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 1393-1396.	1.0	30
83	Fabrication of SWNT/Silica Composites by the Solâ^'Gel Process. ACS Applied Materials & Interfaces, 2009, 1, 181-186.	4.0	30
84	Temperature- and pH-Responsive Benzoboroxole-Based Polymers for Flocculation and Enhanced Dewatering of Fine Particle Suspensions. ACS Applied Materials & Interfaces, 2015, 7, 27176-27187.	4.0	30
85	Well-Defined Cationic N-[3-(Dimethylamino)propyl]methacrylamide Hydrochloride-Based (Co)polymers for siRNA Delivery. Biomacromolecules, 2018, 19, 209-221.	2.6	30
86	Dynamic Flexible Hydrogel Network with Biological Tissue-like Self-Protective Functions. Chemistry of Materials, 2020, 32, 10545-10555.	3.2	30
87	Dual-Cross-Linked Network Hydrogels with Multiresponsive, Self-Healing, and Shear Strengthening Properties. Biomacromolecules, 2021, 22, 800-810.	2.6	29
88	Aqueous solution behavior of p(N-isopropyl acrylamide) in the presence of water-soluble macromolecular species. European Polymer Journal, 2007, 43, 4344-4354.	2.6	28
89	Dual-temperature and pH responsive (ethylene glycol)-based nanogels via structural design. Polymer Chemistry, 2014, 5, 3061-3070.	1.9	28
90	Spatiotemporal Control of Synergistic Gel Disintegration Consisting of Boroxole- and Glyco-Based Polymers via Photoinduced Proton Transfer. Journal of Physical Chemistry B, 2015, 119, 2323-2329.	1.2	28

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91	A â€˜smartâ€™ approach towards the formation of multifunctional nano-assemblies by simple mixing of block copolymers having a common temperature sensitive segment. Polymer Chemistry, 2012, 3, 1150.	1.9	27
92	pH and glucose responsive nanofibers for the reversible capture and release of lectins. Biomaterials Science, 2015, 3, 152-162.	2.6	27
93	Rapid Synthesis of Gold Nanorods Using a One-Step Photochemical Strategy. Langmuir, 2010, 26, 18392-18399.	1.6	26
94	Construction of â€˜smartâ€™ surfaces with polymer functionalized silica nanoparticles. Polymer Chemistry, 2013, 4, 1038-1047.	1.9	25
95	Linear and hyperbranched phosphorylcholine based homopolymers for blood biocompatibility. Polymer Chemistry, 2013, 4, 3140.	1.9	25
96	Trehalose-Based Polyethers for Cryopreservation and Three-Dimensional Cell Scaffolds. Biomacromolecules, 2020, 21, 1264-1273.	2.6	25
97	Hydrogels. , 2020, , 203-244.		25
98	Hydroxyl-Rich PGMA-Based Cationic Glycopolymers for Intracellular siRNA Delivery: Biocompatibility and Effect of Sugar Decoration Degree. Biomacromolecules, 2019, 20, 2068-2074.	2.6	24
99	PEG-PLGA nanospheres loaded with nanoscintillators and photosensitizers for radiation-activated photodynamic therapy. Acta Biomaterialia, 2020, 117, 335-348.	4.1	24
100	Fabrication of FITCâ€doped silica nanoparticles and study of their cellular uptake in the presence of lectins. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2090-2096.	2.1	22
101	Tumor Microenvironment-Regulated Redox Responsive Cationic Galactose-Based Hyperbranched Polymers for siRNA Delivery. Bioconjugate Chemistry, 2019, 30, 405-412.	1.8	22
102	Reversible Additionâ^'Fragmentation Chain Transfer Polymerization of N-Isopropylacrylamide:â€‰ A Comparison between a Conventional and a Fast Initiator. Journal of Physical Chemistry B, 2007, 111, 11120-11126.	1.2	21
103	Protein encapsulation and release from degradable sugar based hydrogels. European Polymer Journal, 2009, 45, 1689-1697.	2.6	21
104	Acid Degradable Cationic Galactose-Based Hyperbranched Polymers as Nanotherapeutic Vehicles for Epidermal Growth Factor Receptor (EGFR) Knockdown in Cervical Carcinoma. Biomacromolecules, 2018, 19, 4052-4058.	2.6	21
105	Blood Components Interactions to Ionic and Nonionic Glyconanogels. Biomacromolecules, 2015, 16, 2990-2997.	2.6	20
106	Photochemical Approach toward Deposition of Gold Nanoparticles on Functionalized Carbon Nanotubes. Langmuir, 2011, 27, 12642-12649.	1.6	19
107	Biomimetic thermo-responsive star diblock gelators. Chemical Communications, 2004, , 2746.	2.2	18
108	Molecular Weight Dependence of Synthetic Glycopolymers on Flocculation and Dewatering of Fine Particles. Langmuir, 2016, 32, 11615-11622.	1.6	18

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109	Preparation and Characterization of Thermoresponsive PEG-Based Injectable Hydrogels and Their Application for 3D Cell Culture. Biomacromolecules, 2020, 21, 1254-1263.	2.6	18
110	Cationic Galactose-Conjugated Copolymers for Epidermal Growth Factor (EGFR) Knockdown in Cervical Adenocarcinoma. ACS Biomaterials Science and Engineering, 2016, 2, 853-859.	2.6	17
111	Copper-Catalyzed Bimolecular Coupling of Î±,Ï‰-Dibromide-Functionalized Poly(Î³-caprolactone). Macromolecules, 2010, 43, 3228-3232.	2.2	16
112	Simple Coating with pH-Responsive Polymer-Functionalized Silica Nanoparticles of Mixed Sizes for Controlled Surface Properties. ACS Applied Materials & Interfaces, 2013, 5, 10004-10010.	4.0	16
113	Temperature-responsive mixed core nanoparticle properties determined by the composition of statistical and block copolymers in the core. Polymer Chemistry, 2015, 6, 1693-1697.	1.9	16
114	pHâ€Šwitchable Complexation between Double Hydrophilic Heteroarm Star Copolymers and a Cationic Block Polyelectrolyte. Macromolecular Chemistry and Physics, 2008, 209, 754-763.	1.1	15
115	Study of the RAFT homopolymerization and copolymerization of N-[3-(dimethylamino)propyl]methacrylamide hydrochloride and evaluation of the cytotoxicity of the resulting homo- and copolymers. Polymer Chemistry, 2017, 8, 4140-4151.	1.9	15
116	Thermoâ€responsive polymers for drag reduction in turbulent Taylorâ€“Couette flow. Journal of Applied Polymer Science, 2016, 133, .	1.3	13
117	Impact of the Nature and Size of the Polymeric Backbone on the Ability of Heterobifunctional Ligands to Mediate Shiga Toxin and Serum Amyloid P Component Ternary Complex Formation. Toxins, 2011, 3, 1065-1088.	1.5	12
118	Poly(N-vinyl-2-pyrrolidone-co-vinyl alcohol), a Versatile Amphiphilic Polymeric Scaffold for Multivalent Probes. Organic Letters, 2013, 15, 5190-5193.	2.4	12
119	Three-Dimensional Printed and Biocompatible Conductive Composites Comprised of Polyhydroxybutyrate and Multiwalled Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2021, 60, 885-897.	1.8	12
120	Synthesis and characterization of novel polymers derived from gluconolactone. Polymer International, 2002, 51, 85-91.	1.6	11
121	Septic sera induces apoptosis and DNA fragmentation factor 40 activation in fibroblasts. Biochemical and Biophysical Research Communications, 2011, 412, 260-265.	1.0	11
122	Construction of Polymerâ€“Protein Bioconjugates with Varying Chain Topologies: Polymer Molecular Weight and Steric Hindrance Effects. Chemistry - an Asian Journal, 2011, 6, 2835-2845.	1.7	11
123	Zwitterionic Block Copolymer Prodrug Micelles for pH Responsive Drug Delivery and Hypoxia-Specific Chemotherapy. Molecular Pharmaceutics, 2022, 19, 1766-1777.	2.3	11
124	Controlling pre-osteoblastic cell adhesion and spreading on glycopolymer brushes of variable film thickness. Journal of Materials Science: Materials in Medicine, 2018, 29, 98.	1.7	10
125	Calcium mediated formation of phosphorylcholine-based polyplexes for efficient knockdown of epidermal growth factor receptors (EGFR) in HeLa cells. Chemical Communications, 2014, 50, 2943-2946.	2.2	9
126	Facile Preparation of Macromolecular Prodrugs for Hypoxia-Specific Chemotherapy. ACS Macro Letters, 2020, 9, 1687-1692.	2.3	9

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127	Cellular mechanism of action of 2-nitroimidazoles as hypoxia-selective therapeutic agents. Redox Biology, 2022, 52, 102300.	3.9	9
128	Achieving Safe and Highly Efficient Epidermal Growth Factor Receptor Silencing in Cervical Carcinoma by Cationic Degradable Hyperbranched Polymers. ACS Applied Bio Materials, 2018, 1, 961-966.	2.3	8
129	Functionalized polystyrene microspheres as Cryptosporidium surrogates. Colloids and Surfaces B: Biointerfaces, 2019, 175, 680-687.	2.5	8
130	Multi-responsive, injectable, and self-healing hydrogels based on benzoxaboroleâ€“tannic acid complexation. Polymer Chemistry, 2021, 12, 5623-5630.	1.9	8
131	Synthesis of cationic magnetic nanoparticles and evaluation of their gene delivery efficacy in Hep G2 cells. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2342-2347.	2.1	7
132	Oncogenic Epidermal Growth Factor Receptor Silencing in Cervical Carcinoma Mediated by Dynamic Sugar-Benzoxaborole Polyplexes. ACS Macro Letters, 2020, 9, 1464-1470.	2.3	7
133	Flocculating and dewatering of kaolin suspensions with different forms of poly(acrylamideâ€coâ€diallyl) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	7
134	Characterization of human septic sera induced gene expression modulation in human myocytes. International Journal of Clinical and Experimental Medicine, 2009, 2, 131-48.	1.3	7
135	Glycopolymerâ€“Cell-Penetrating Peptide (CPP) Conjugates for Efficient Epidermal Growth Factor Receptor (EGFR) Silencing. ACS Macro Letters, 2022, 11, 580-587.	2.3	7
136	Temperature-Responsive Aldehyde Hydrogels with Injectable, Self-Healing, and Tunable Mechanical Properties. Biomacromolecules, 2022, 23, 2552-2561.	2.6	7
137	Water soluble polymeric nanofibres for rapid flocculation and enhanced dewatering of mature fine tailings. Canadian Journal of Chemical Engineering, 2020, 98, 96-103.	0.9	6
138	A novel approach for drag reduction using polymer coating. Ocean Engineering, 2021, 240, 109895.	1.9	6
139	Construction of antibacterial adhesion surfaces based on bioinspired borneol-containing glycopolymers. Biomaterials Science, 2022, 10, 1787-1794.	2.6	6
140	Filtration of Glycoprotein-Modified Carboxylated Polystyrene Microspheres as Cryptosporidium Oocysts Surrogates: Effects of Flow Rate, Alum, and Humic Acid. Journal of Environmental Engineering, ASCE, 2017, 143, 04017032.	0.7	4
141	Drag Reduction Using Polysaccharides in a Taylorâ€“Couette Flow. Polymers, 2017, 9, 683.	2.0	4
142	Removal of Cryptosporidium surrogates in drinking water direct filtration. Colloids and Surfaces B: Biointerfaces, 2019, 181, 499-505.	2.5	4
143	Synergistic size and charge conversions of functionalized PAMAM dendrimers under the acidic tumor microenvironment. Biomaterials Science, 2022, 10, 4271-4283.	2.6	4
144	Investigation of alkali and salt resistant copolymer of acrylic acid and Nâ€vinylâ€2â€pyrrolidinone for medium viscosity oil recovery. Canadian Journal of Chemical Engineering, 2022, 100, 1427-1438.	0.9	3

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145	Glyconanoparticles for Gene Delivery. ACS Symposium Series, 2012, , 81-105.	0.5	2
146	A nanoparticle-preparation kit using ethylene glycol-based block copolymers with a common temperature-responsive block. Polymer Chemistry, 2017, 8, 7311-7315.	1.9	2
147	Introductory Guide to Smart Biomaterials. NIMS Monographs, 2014, , 1-7.	0.1	2
148	Shape-Memory Materials. NIMS Monographs, 2014, , 285-373.	0.1	1
149	Synthetic Approach to Glycopolymer Base Nanoparticle Gold(I) Conjugate: A New Generation of Therapeutic Agents. Methods in Molecular Biology, 2016, 1367, 157-168.	0.4	1
150	Glyco-Nanomedicines and Their Applications in Cancer Treatment. , 2021, , 566-585.		1
151	Smart Nanoassemblies and Nanoparticles. NIMS Monographs, 2014, , 67-113.	0.1	1
152	Smart Bioconjugates. NIMS Monographs, 2014, , 237-284.	0.1	1
153	Rho kinases (ROCKs) in sepsis-induced acute lung injury. Journal of Thoracic Disease, 2012, 4, 12-4.	0.6	1
154	Nature-Inspired Polymers. , 2016, , 59-74.		0
155	Carbohydrate Biosensors and Applications. , 2021, , 149-167.		0
156	Smart Surfaces. NIMS Monographs, 2014, , 115-188.	0.1	0
157	Smart Nanofibers. NIMS Monographs, 2014, , 189-235.	0.1	0
158	Synthetic Approach to Biotinylated Glyco-Functionalized Quantum Dots: A New Fluorescent Probes for Biomedical Applications. Methods in Molecular Biology, 2016, 1367, 109-121.	0.4	0