Nicholas A Peppas

List of Publications by Year
in descending order

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147 papers	16,902 citations	26630 56 h-index	15266 126 g-index
155 all docs	155 docs citations	155 times ranked	20300 citing authors

#	Article	IF	Citations
1	Overcoming barriers in non-viral gene delivery for neurological applications. Nanoscale, 2022, 14, 3698-3719.	5.6	21
2	Influence of extracellular cues of hydrogel biomaterials on stem cell fate. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1324-1347.	3.5	2
3	Epitopeâ€Imprinted Nanoparticles as Transforming Growth Factorâ€Î²3 Sequestering Ligands to Modulate Stem Cell Fate. Advanced Functional Materials, 2021, 31, 2003934.	14.9	21
4	Engineering precision nanoparticles for drug delivery. Nature Reviews Drug Discovery, 2021, 20, 101-124.	46.4	3,154
5	Peptide conjugation enhances the cellular co-localization, but not endosomal escape, of modular poly(acrylamide-co-methacrylic acid) nanogels. Journal of Controlled Release, 2021, 329, 1162-1171.	9.9	8
6	Miniaturized Needle Arrayâ€Mediated Drug Delivery Accelerates Wound Healing. Advanced Healthcare Materials, 2021, 10, e2001800.	7.6	27
7	A combinational chemo-immune therapy using an enzyme-sensitive nanoplatform for dual-drug delivery to specific sites by cascade targeting. Science Advances, 2021, 7, .	10.3	81
8	Cytocompatibility, membrane disruption, and siRNA delivery using environmentally responsive cationic nanogels. Journal of Controlled Release, 2021, 332, 608-619.	9.9	13
9	Innovations in Biomaterial Design toward Successful RNA Interference Therapy for Cancer Treatment. Advanced Healthcare Materials, 2021, 10, e2100350.	7.6	18
10	Solute Transport Dependence on 3D Geometry of Hydrogel Networks. Macromolecular Chemistry and Physics, 2021, 222, 2100138.	2.2	21
11	Recent advancements in biosensing approaches for screening and diagnostic applications. Current Opinion in Biomedical Engineering, 2021, 19, 100318.	3.4	4
12	Lipid- and polymer-based nanoparticle systems for the delivery of CRISPR/Cas9. Journal of Drug Delivery Science and Technology, 2021, 65, 102728.	3.0	19
13	Electrostatic and Covalent Assemblies of Anionic Hydrogel-Coated Gold Nanoshells for Detection of Dry Eye Biomarkers in Human Tears. Nano Letters, 2021, 21, 8734-8740.	9.1	12
14	Messenger RNA-based vaccines: Past, present, and future directions in the context of the COVID-19 pandemic. Advanced Drug Delivery Reviews, 2021, 179, 114000.	13.7	71
15	Epitope-imprinted polymers: Design principles of synthetic binding partners for natural biomacromolecules. Science Advances, 2021, 7, eabi9884.	10.3	29
16	High-Throughput FRAP Analysis of Solute Diffusion in Hydrogels. Macromolecules, 2021, 54, 10477-10486.	4.8	17
17	Advanced biomedical hydrogels: molecular architecture and its impact on medical applications. International Journal of Energy Production and Management, 2021, 8, rbab060.	3.7	36
18	QCMâ€Ð assay for quantifying the swelling, biodegradation, and protein adsorption of intelligent nanogels. Journal of Applied Polymer Science, 2020, 137, 48655.	2.6	20

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19	Developing a Multidisciplinary Approach for Engineering Stem Cell Organoids. Annals of Biomedical Engineering, 2020, 48, 1895-1904.	2.5	10
20	Molecular recognition with soft biomaterials. Soft Matter, 2020, 16, 856-869.	2.7	21
21	Effect of network mesh size and swelling to the drug delivery from pH responsive hydrogels. Journal of Applied Polymer Science, 2020, 137, 48767.	2.6	19
22	CRISPR/Cas systems to overcome challenges in developing the next generation of T cells for cancer therapy. Advanced Drug Delivery Reviews, 2020, 158, 17-35.	13.7	14
23	A tumor-to-lymph procedure navigated versatile gel system for combinatorial therapy against tumor recurrence and metastasis. Science Advances, 2020, 6, .	10.3	95
24	Polymer composition primarily determines the protein recognition characteristics of molecularly imprinted hydrogels. Journal of Materials Chemistry B, 2020, 8, 7685-7695.	5.8	13
25	The swollen polymer network hypothesis: Quantitative models of hydrogel swelling, stiffness, and solute transport. Progress in Polymer Science, 2020, 105, 101243.	24.7	152
26	Cell-laden alginate hydrogels for the treatment of diabetes. Expert Opinion on Drug Delivery, 2020, 17, 1113-1118.	5.0	9
27	Biomaterials for Sequestration of Growth Factors and Modulation of Cell Behavior. Advanced Functional Materials, 2020, 30, 1909011.	14.9	51
28	Optimization of Cationic Nanogel PEGylation to Achieve Mammalian Cytocompatibility with Limited Loss of Gram-Negative Bactericidal Activity. Biomacromolecules, 2020, 21, 1528-1538.	5.4	12
29	Recent Advances in Smart Biomaterials for the Detection and Treatment of Autoimmune Diseases. Advanced Functional Materials, 2020, 30, 1909556.	14.9	16
30	Advanced engineered nanoparticulate platforms to address key biological barriers for delivering chemotherapeutic agents to target sites. Advanced Drug Delivery Reviews, 2020, 167, 170-188.	13.7	112
31	Immobilization of nanocarriers within a porous chitosan scaffold for the sustained delivery of growth factors in bone tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2020, 108, 1122-1135.	4.0	25
32	Degradable Poly(Methyl Methacrylate)-co-Methacrylic Acid Nanoparticles for Controlled Delivery of Growth Factors for Bone Regeneration. Tissue Engineering - Part A, 2020, 26, 1226-1242.	3.1	11
33	Softâ€Nanoparticle Functionalization of Natural Hydrogels for Tissue Engineering Applications. Advanced Healthcare Materials, 2019, 8, e1900506.	7.6	95
34	Modular fabrication of intelligent material-tissue interfaces for bioinspired and biomimetic devices. Progress in Materials Science, 2019, 106, 100589.	32.8	72
35	110th Anniversary: Nanoparticle Mediated Drug Delivery for the Treatment of Alzheimerâ€™s Disease: Crossing the Bloodâ€“Brain Barrier. Industrial & Engineering Chemistry Research, 2019, 58, 15079-15087.	3.7	28
36	Synthetic networks with tunable responsiveness, biodegradation, and molecular recognition for precision medicine applications. Science Advances, 2019, 5, eaax7946.	10.3	64

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37	Re-evaluating the importance of carbohydrates as regenerative biomaterials. International Journal of Energy Production and Management, 2019, 6, 1-12.	3.7	35
38	Quantum dots in biomedical applications. Acta Biomaterialia, 2019, 94, 44-63.	8.3	310
39	Engineered microscale hydrogels for drug delivery, cell therapy, and sequencing. Biomedical Microdevices, 2019, 21, 31.	2.8	50
40	Cytoplasmic delivery of functional siRNA using pH-Responsive nanoscale hydrogels. International Journal of Pharmaceutics, 2019, 562, 249-257.	5.2	20
41	Tuning the biomimetic behavior of scaffolds for regenerative medicine through surface modifications. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1275-1293.	2.7	128
42	Transport and delivery of interferon-Î± through epithelial tight junctions via pH-responsive poly(methacrylic acid-grafted-ethylene glycol) nanoparticles. Journal of Drug Targeting, 2019, 27, 582-589.	4.4	31
43	3D cell-laden polymers to release bioactive products in the eye. Progress in Retinal and Eye Research, 2019, 68, 67-82.	15.5	15
44	Designing the new generation of intelligent biocompatible carriers for protein and peptide delivery. Acta Pharmaceutica Sinica B, 2018, 8, 147-164.	12.0	107
45	Tunable poly(methacrylic acidâ€coâ€acrylamide) nanoparticles through inverse emulsion polymerization. Journal of Biomedical Materials Research - Part A, 2018, 106, 1677-1686.	4.0	21
46	Advanced architectures in the design of responsive polymers for cancer nanomedicine. Journal of Applied Polymer Science, 2018, 135, 46154.	2.6	50
47	Combination Strategy with Complexation Hydrogels and Cell-Penetrating Peptides for Oral Delivery of Insulin. Biological and Pharmaceutical Bulletin, 2018, 41, 811-814.	1.4	25
48	Label-Free Detection of Tear Biomarkers Using Hydrogel-Coated Gold Nanoshells in a Localized Surface Plasmon Resonance-Based Biosensor. ACS Nano, 2018, 12, 9342-9354.	14.6	79
49	Î±-Galactosylceramide and peptide-based nano-vaccine synergistically induced a strong tumor suppressive effect in melanoma. Acta Biomaterialia, 2018, 76, 193-207.	8.3	27
50	Control of cationic nanogel PEGylation in heterogeneous ARGET ATRP emulsion polymerization with PEG macromonomers. Journal of Polymer Science Part A, 2018, 56, 1536-1544.	2.3	14
51	Bone tissue engineering via growth factor delivery: from scaffolds to complex matrices. International Journal of Energy Production and Management, 2018, 5, 197-211.	3.7	368
52	Student award for outstanding research winner in the Ph.D. category for the 2017 society for biomaterials annual meeting and exposition, april 5â€“8, 2017, Minneapolis, Minnesota: Characterization of protein interactions with molecularly imprinted hydrogels that possess engineered affinity for high isoelectric point biomarkers. Journal of Biomedical Materials Research - Part A, 2017, 105, 1565-1574.	4.0	19
53	Recent advances in hemophilia B therapy. Drug Delivery and Translational Research, 2017, 7, 359-371.	5.8	8
54	Analyte-Responsive Hydrogels: Intelligent Materials for Biosensing and Drug Delivery. Accounts of Chemical Research, 2017, 50, 170-178.	15.6	386

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55	Student Award for Outstanding Research Winner in the Undergraduate Category for the 2017 Society for Biomaterials Annual Meeting and Exposition, April 5â€“8, 2017, Minneapolis, Minnesota: Development and characterization of stimuliâ€responsive hydrogel microcarriers for oral protein delivery. Journal of Biomedical Materials Research - Part A, 2017, 105, 1243-1251.	4.0	9
56	Vision for Functionally Decorated and Molecularly Imprinted Polymers in Regenerative Engineering. Regenerative Engineering and Translational Medicine, 2017, 3, 166-175.	2.9	30
57	Current state and challenges in developing oral vaccines. Advanced Drug Delivery Reviews, 2017, 114, 116-131.	13.7	270
58	Complexation hydrogels as potential carriers in oral vaccine delivery systems. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 112, 138-142.	4.3	31
59	Charged poly(N-isopropylacrylamide) nanogels for use as differential protein receptors in a turbidimetric sensor array. Analyst, The, 2017, 142, 3183-3193.	3.5	34
60	Protein-Imprinted Polymers: The Shape of Things to Come?. Chemistry of Materials, 2017, 29, 5753-5761.	6.7	112
61	Molecularly Imprinted Intelligent Scaffolds for Tissue Engineering Applications. Tissue Engineering - Part B: Reviews, 2017, 23, 27-43.	4.8	37
62	Development of a P((MAAâ€coâ€NVP)â€gâ€EG) Hydrogel Platform for Oral Protein Delivery: Effects of Hydrogel Composition on Environmental Response and Protein Partitioning. Macromolecular Bioscience, 2017, 17, 1600266.	4.1	16
63	Surface hydrolysis-mediated PEGylation of poly(N-isopropyl acrylamide) based nanogels. International Journal of Energy Production and Management, 2017, 4, 281-287.	3.7	7
64	The challenge to improve the response of biomaterials to the physiological environment. International Journal of Energy Production and Management, 2016, 3, 67-71.	3.7	18
65	In Vitro Evaluation of pH-Responsive Nanoscale Hydrogels for the Oral Delivery of Hydrophobic Therapeutics. Industrial & Engineering Chemistry Research, 2016, 55, 10576-10590.	3.7	16
66	Biodegradable hydrophilic carriers for the oral delivery of hematological factor IX for hemophilia B treatment. International Journal of Pharmaceutics, 2016, 514, 220-228.	5.2	12
67	Synthesis and characterization of pH-responsive nanoscale hydrogels for oral delivery of hydrophobic therapeutics. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 108, 196-213.	4.3	32
68	A Closer Look at the Impact of Molecular Imprinting on Adsorption Capacity and Selectivity for Protein Templates. Biomacromolecules, 2016, 17, 4045-4053.	5.4	37
69	Enzyme- and pH-Responsive Microencapsulated Nanogels for Oral Delivery of siRNA to Induce TNF-Î± Knockdown in the Intestine. Biomacromolecules, 2016, 17, 788-797.	5.4	108
70	pH-responsive and enzymatically-responsive hydrogel microparticles for the oral delivery of therapeutic proteins: Effects of protein size, crosslinking density, and hydrogel degradation on protein delivery. Journal of Controlled Release, 2016, 221, 18-25.	9.9	95
71	Design of pH-Responsive Biomaterials to Enable the Oral Route of Hematological Factor IX. Annals of Biomedical Engineering, 2016, 44, 1970-1982.	2.5	15
72	Hydrogel-based biosensors and sensing devices for drug delivery. Journal of Controlled Release, 2016, 240, 142-150.	9.9	129

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73	The 2015 Young Innovators of Cellular and Molecular Bioengineering. Cellular and Molecular Bioengineering, 2015, 8, 305-306.	2.1	0
74	Intelligent nanoparticles for advanced drug delivery in cancer treatment. Current Opinion in Chemical Engineering, 2015, 7, 84-92.	7.8	90
75	Dynamic swelling behavior of interpenetrating polymer networks in response to temperature and pH. Journal of Applied Polymer Science, 2015, 132, .	2.6	27
76	Complexation Hydrogels as Oral Delivery Vehicles of Therapeutic Antibodies: An in Vitro and ex Vivo Evaluation of Antibody Stability and Bioactivity. Industrial & Engineering Chemistry Research, 2015, 54, 10197-10205.	3.7	26
77	Stimulus-responsive hydrogels: Theory, modern advances, and applications. Materials Science and Engineering Reports, 2015, 93, 1-49.	31.8	811
78	Nanocomposite hydrogels for biomedical applications. Biotechnology and Bioengineering, 2014, 111, 441-453.	3.3	916
79	Surgical materials: Current challenges and nano-enabled solutions. Nano Today, 2014, 9, 574-589.	11.9	158
80	Multi-responsive hydrogels for drug delivery and tissue engineering applications. International Journal of Energy Production and Management, 2014, 1, 57-65.	3.7	135
81	Surface-Modified P(HEMA-co-MAA) Nanogel Carriers for Oral Vaccine Delivery: Design, Characterization, and In Vitro Targeting Evaluation. Biomacromolecules, 2014, 15, 2725-2734.	5.4	59
82	Hydrogels and Scaffolds for Immunomodulation. Advanced Materials, 2014, 26, 6530-6541.	21.0	286
83	Polycationic Nanoparticles for siRNA Delivery: Comparing ARGET ATRP and UV-Initiated Formulations. ACS Nano, 2014, 8, 2908-2917.	14.6	50
84	Mathematical models in drug delivery: How modeling has shaped the way we design new drug delivery systems. Journal of Controlled Release, 2014, 190, 75-81.	9.9	395
85	Intelligent recognitive systems in nanomedicine. Current Opinion in Chemical Engineering, 2014, 4, 105-113.	7.8	23
86	Multiresponsive polyanionic microgels with inverse pH responsive behavior by encapsulation of polycationic nanogels. Journal of Applied Polymer Science, 2014, 131, .	2.6	19
87	pH-Responsive poly(itaconic acid-co-N-vinylpyrrolidone) hydrogels with reduced ionic strength loading solutions offer improved oral delivery potential for high isoelectric point-exhibiting therapeutic proteins. International Journal of Pharmaceutics, 2014, 471, 83-91.	5.2	70
88	Amphiphilic Interpenetrating Polymer Networks for the Oral Delivery of Chemotherapeutics. AICHE Journal, 2013, 59, 1472-1478.	3.6	9
89	Theranostic agents for intracellular gene delivery with spatiotemporal imaging. Nano Today, 2013, 8, 21-38.	11.9	44
90	Insulin release dynamics from poly(diethylaminoethyl methacrylate) hydrogel systems. AICHE Journal, 2013, 59, 3578-3585.	3.6	21

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91	Historical perspective on advanced drug delivery: How engineering design and mathematical modeling helped the field mature. Advanced Drug Delivery Reviews, 2013, 65, 5-9.	13.7	88
92	Tunable, responsive nanogels containing t-butyl methacrylate and 2-(t-butylamino)ethyl methacrylate. Polymer, 2013, 54, 3784-3795.	3.8	36
93	A review of current nanoparticle and targeting moieties for the delivery of cancer therapeutics. European Journal of Pharmaceutical Sciences, 2013, 48, 416-427.	4.0	640
94	Expert opinion: Responsive polymer nanoparticles in cancer therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 241-246.	4.3	180
95	Novel strategy for the determination of UCST-like microgels network structure: effect on swelling behavior and rheology. Soft Matter, 2012, 8, 337-346.	2.7	34
96	Co-delivery of siRNA and therapeutic agents using nanocarriers to overcome cancer resistance. Nano Today, 2012, 7, 367-379.	11.9	292
97	Network structure and methanol transport dynamics in poly(methyl methacrylate). AICHE Journal, 2012, 58, 1600-1609.	3.6	7
98	Responsive Theranostic Systems: Integration of Diagnostic Imaging Agents and Responsive Controlled Release Drug Delivery Carriers. Accounts of Chemical Research, 2011, 44, 1061-1070.	15.6	256
99	Polymers for Drug Delivery Systems. Annual Review of Chemical and Biomolecular Engineering, 2010, 1, 149-173.	6.8	1,205
100	Complexation hydrogels for intestinal delivery of interferon Î² and calcitonin. Journal of Controlled Release, 2009, 134, 98-102.	9.9	77
101	Mimicking biological delivery through feedbackâ€controlled drug release systems based on molecular imprinting. AICHE Journal, 2009, 55, 1311-1324.	3.6	64
102	Enhanced Core Hydrophobicity, Functionalization and Cell Penetration of Polybasic Nanomatrices. Pharmaceutical Research, 2009, 26, 51-60.	3.5	32
103	Impact of absorption and transport on intelligent therapeutics and nanoscale delivery of protein therapeutic agents. Chemical Engineering Science, 2009, 64, 4553-4565.	3.8	32
104	Polybasic Nanomatrices Prepared by UV-Initiated Photopolymerization. Macromolecules, 2009, 42, 3391-3398.	4.8	44
105	Molecular Aspects of Mucoadhesive Carrier Development for Drug Delivery and Improved Absorption. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1-20.	3.5	66
106	Glucose recognition capabilities of hydroxyethyl methacrylate-based hydrogels containing poly(ethylene glycol) chains. Journal of Applied Polymer Science, 2007, 103, 432-441.	2.6	18
107	Temperature-responsive polymerâ€“gold nanocomposites as intelligent therapeutic systems. Journal of Biomedical Materials Research - Part A, 2007, 83A, 692-695.	4.0	57
108	Synthesis and Properties of Lightly Crosslinked Poly((meth)acrylic acid) Microparticles Prepared by Free Radical Precipitation Polymerization. Polymer Bulletin, 2006, 57, 11-20.	3.3	34

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109	Nanoscale analysis of protein and peptide absorption: Insulin absorption using complexation and pH-sensitive hydrogels as delivery vehicles. European Journal of Pharmaceutical Sciences, 2006, 29, 183-197.	4.0	95
110	Novel oral insulin delivery systems based on complexation polymer hydrogels: Single and multiple administration studies in type 1 and 2 diabetic rats. Journal of Controlled Release, 2006, 110, 587-594.	9.9	172
111	Relaxational behavior and swelling-pH master curves of poly[(diethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 T	3.1	21
112	Applications of biomimetic systems in drug delivery. Expert Opinion on Drug Delivery, 2005, 2, 1085-1096.	5.0	34
113	Hydrogels for oral delivery of therapeutic proteins. Expert Opinion on Biological Therapy, 2004, 4, 881-887.	3.1	141
114	Biomimetic materials and micropatterned structures using iniferters. Advanced Drug Delivery Reviews, 2004, 56, 1587-1597.	13.7	17
115	Nanoscale technology of mucoadhesive interactions. Advanced Drug Delivery Reviews, 2004, 56, 1675-1687.	13.7	216
116	Intelligent therapeutics: biomimetic systems and nanotechnology in drug delivery. Advanced Drug Delivery Reviews, 2004, 56, 1529-1531.	13.7	83
117	Poly(ethylene glycol)-containing Hydrogels for Oral Protein Delivery Applications. Biomedical Microdevices, 2003, 5, 333-341.	2.8	70
118	Preparation and properties of poly(ethylene oxide) star polymers. Journal of Applied Polymer Science, 2003, 87, 322-327.	2.6	15
119	Monodisperse nanoparticles of poly(ethylene glycol) macromers and N-isopropyl acrylamide for biomedical applications. Journal of Applied Polymer Science, 2003, 87, 1678-1684.	2.6	67
120	Dynamic swelling behavior of pH-sensitive anionic hydrogels used for protein delivery. Journal of Applied Polymer Science, 2003, 89, 1606-1613.	2.6	242
121	Effect of monomer type and dangling end size on polymer network synthesis. Journal of Applied Polymer Science, 2003, 89, 3506-3519.	2.6	16
122	Molecular Simulations of Recognitive Polymer Networks Prepared by Biomimetic Configurational Imprinting as Responsive Biomaterials. Materials Research Society Symposia Proceedings, 2003, 787, 211.	0.1	1
123	Preparation and Characterization of pH-Responsive Poly(methacrylic acid-g-ethylene glycol) Nanospheres. Macromolecules, 2002, 35, 3668-3674.	4.8	128
124	Physicochemical behavior and cytotoxic effects of p(methacrylic acidâ€“g-ethylene glycol) nanospheres for oral delivery of proteins. Journal of Controlled Release, 2002, 80, 197-205.	9.9	123
125	Networks for recognition of biomolecules: molecular imprinting and micropatterning poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	3.2	80
126	Preparation and Characterization of P(MAA-g-EG) Nanospheres for Protein Delivery Applications. Journal of Nanoparticle Research, 2002, 4, 73-81.	1.9	53

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127	Micropatterning of biomedical polymer surfaces by novel UV polymerization techniques. Journal of Biomedical Materials Research Part B, 2001, 56, 351-360.	3.1	76
128	Molecular interactions in poly(methacrylic acid)/poly(N-isopropyl acrylamide) interpenetrating polymer networks. Journal of Applied Polymer Science, 2001, 82, 1077-1082.	2.6	60
129	Micropatterning of biomedical polymer surfaces by novel UV polymerization techniques. Journal of Biomedical Materials Research Part B, 2001, 56, 351-360.	3.1	3
130	Kinetic Gelation Modeling of Controlled Radical Polymerizations. Macromolecules, 2000, 33, 5137-5142.	4.8	58
131	Synthesis and Characterization of pH- and Temperature-Sensitive Poly(methacrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 T 102-107.	4.8	485
132	NMR spectroscopy and free volume analysis of the effects of copolymer composition on the swelling kinetics and chain dynamics of highly crosslinked copolymers of acrylic acid with PEG-containing multiacrylates. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 1953-1968.	2.1	2
133	Kinetics of Copolymerization of PEG-Containing Multiacrylates with Acrylic Acid. Macromolecules, 1999, 32, 6149-6158.	4.8	26
134	Compositional Effects on Network Structure of Highly Cross-Linked Copolymers of PEG-Containing Multiacrylates with Acrylic Acid. Macromolecules, 1999, 32, 6139-6148.	4.8	40
135	Poly(acrylic acid)-poly(vinyl alcohol) copolymers with superabsorbent properties. Journal of Applied Polymer Science, 1998, 70, 817-829.	2.6	30
136	Novel Ionogenic Acrylate Copolymer Networks for Sustained Solute Delivery. ACS Symposium Series, 1998, , 129-142.	0.5	0
137	Novel Bioadhesive Complexation Networks for Oral Protein Drug Delivery. ACS Symposium Series, 1998, , 156-164.	0.5	9
138	Solid-State NMR Spectroscopy for Characterization of Acrylate Reactions. ACS Symposium Series, 1997, , 28-34.	0.5	0
139	Crystal unfolding and chain disentanglement during semicrystalline polymer dissolution. AICHE Journal, 1997, 43, 870-876.	3.6	39
140	Bioadhesives for Optimization of Drug Delivery. Journal of Drug Targeting, 1995, 3, 183-184.	4.4	19
141	Dynamic Swelling of Ionic Networks. ACS Symposium Series, 1994, , 40-49.	0.5	1
142	Poly(Methacrylic Acid-g-Ethylene Glycol) Hydrogels as pH Responsive Biomedical Materials. Materials Research Society Symposia Proceedings, 1993, 331, 199.	0.1	5
143	Temperature- and pH- Sensitive Hydrogels for Controlled Release of Antithrombotic Agents. Materials Research Society Symposia Proceedings, 1993, 331, 211.	0.1	11
144	Novel Preparation of Poly(Vinyl Alcohol) Microparticles without Crosslinking Agent for Controlled Drug Delivery. Materials Research Society Symposia Proceedings, 1993, 331, 223.	0.1	0

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145	Controlled Release of Trimaterene from Poly(DL-Lactide-Co-Glycolide) Microspheres. Materials Research Society Symposia Proceedings, 1993, 331, 91.	0.1	0
146	Structure, Testing, and Applications of Biomaterials. Advances in Chemistry Series, 1982, , 465-473.	0.6	4
147	Chemistry and properties of crosslinked polymers, edited by S. S. Labana, Academic Press, New York, 1977, xiii+ 581 pages,$29.50. AICHE Journal, 1977, 23, 958-958.	3.6	0