John A Pojman

List of Publications by Year
in descending order

145 papers	6,633 citations	57631 44 h-index	91712 69 g-index
160 all docs	160 docs citations	160 times ranked	3089 citing authors

#	Article	IF	Citations
1	An Introduction to Nonlinear Chemical Dynamics. , 1998, , .		862
2	Free-radical frontal polymerization: self-propagating thermal reaction waves. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2825.	1.7	227
3	Traveling fronts of methacrylic acid polymerization. Journal of the American Chemical Society, 1991, 113, 6284-6286.	6.6	194
4	Convective effects on chemical waves. 1. Mechanisms and stability criteria. The Journal of Physical Chemistry, 1990, 94, 4966-4972.	2.9	189
5	Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. Progress in Polymer Science, 2018, 78, 139-153.	11.8	181
6	Frontal Ring-Opening Metathesis Polymerization of Dicyclopentadiene. Macromolecules, 2001, 34, 6539-6541.	2.2	163
7	UV-Induced Frontal Polymerization of Multifunctional (Meth)acrylates. Macromolecules, 2005, 38, 5506-5512.	2.2	138
8	Preparation of functionally gradient materials via frontal polymerization. Journal of Applied Polymer Science, 2000, 78, 2398-2404.	1.3	129
9	Convective instabilities in traveling fronts of addition polymerization. The Journal of Physical Chemistry, 1992, 96, 7466-7472.	2.9	118
10	Frontal curing of epoxy resins: Comparison of mechanical and thermal properties to batch-cured materials. Journal of Applied Polymer Science, 1997, 66, 1209-1216.	1.3	115
11	Temporal Control of Gelation and Polymerization Fronts Driven by an Autocatalytic Enzyme Reaction. Angewandte Chemie - International Edition, 2016, 55, 2127-2131.	7.2	112
12	Solvent-free synthesis of polyacrylamide by frontal polymerization. Journal of Polymer Science Part A, 2000, 38, 1129-1135.	2.5	108
13	Mathematical Modeling of Free-Radical Polymerization Fronts. Journal of Physical Chemistry B, 1997, 101, 3474-3482.	1.2	106
14	Frontal Polymerization in Solution. Journal of the American Chemical Society, 1996, 118, 3783-3784.	6.6	105
15	Factors affecting propagating fronts of addition polymerization: Velocity, front curvature, temperatue profile, conversion, and molecular weight distribution. Journal of Polymer Science Part A, 1995, 33, 643-652.	2.5	98
16	Thermochromic Composite Prepared via a Propagating Polymerization Front. Journal of the American Chemical Society, 1995, 117, 3611-3612.	6.6	98
17	Polyurethane-nanosilica hybrid nanocomposites synthesized by frontal polymerization. Journal of Polymer Science Part A, 2005, 43, 1670-1680.	2.5	98
18	Binary frontal polymerization: A new method to produce simultaneous interpenetrating polymer networks (SINs). Journal of Polymer Science Part A, 1997, 35, 227-230.	2.5	97

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19	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. Journal of Polymer Science Part A, 2013, 51, 1767-1773.	2.5	92
20	Evidence for the Existence of an Effective Interfacial Tension between Miscible Fluids:Â Isobutyric Acidâˆ’Water and 1-Butanolâˆ’Water in a Spinning-Drop Tensiometer. Langmuir, 2006, 22, 2569-2577.	1.6	88
21	Base-Catalyzed Feedback in the Ureaâˆ’Urease Reaction. Journal of Physical Chemistry B, 2010, 114, 14059-14063.	1.2	88
22	Frontal Polymerization with Thiolâˆ’Ene Systems. Macromolecules, 2004, 37, 691-693.	2.2	85
23	Traveling fronts of addition polymerization with a solid monomer. Journal of the American Chemical Society, 1993, 115, 11044-11045.	6.6	75
24	Polymer-dispersed liquid-crystal materials fabricated with frontal polymerization. Journal of Polymer Science Part A, 2003, 41, 204-212.	2.5	69
25	Effect of Convection on a Propagating Front with a Solid Product:Â Comparison of Theory and Experiments. Journal of Physical Chemistry B, 1997, 101, 678-686.	1.2	68
26	Controlled release of lidocaine hydrochloride from polymerized drug-based deep-eutectic solvents. Journal of Materials Chemistry B, 2014, 2, 7495-7501.	2.9	65
27	Frontal cationic curing of epoxy resins. Journal of Polymer Science Part A, 2010, 48, 2000-2005.	2.5	64
28	Evidence for the Existence of an Effective Interfacial Tension between Miscible Fluids. 2. Dodecyl Acrylateâˆ’Poly(dodecyl acrylate) in a Spinning Drop Tensiometer. Langmuir, 2007, 23, 5522-5531.	1.6	63
29	Synthesis and Characterization of Functionally Gradient Materials Obtained by Frontal Polymerization. ACS Applied Materials & Interfaces, 2015, 7, 3600-3606.	4.0	62
30	Spin mode instabilities in propagating fronts of polymerization. Physica D: Nonlinear Phenomena, 1995, 84, 260-268.	1.3	60
31	First solventâ€free synthesis of poly(<i>N</i>â€methylolacrylamide) via frontal freeâ€radical polymerization. Journal of Polymer Science Part A, 2007, 45, 4322-4330.	2.5	60
32	Zinc-based deep eutectic solvent-mediated hydroxylation and demethoxylation of lignin for the production of wood adhesive. RSC Advances, 2016, 6, 89599-89608.	1.7	58
33	Processing of lignin in ureaâ€“zinc chloride deep-eutectic solvent and its use as a filler in a phenol-formaldehyde resin. RSC Advances, 2015, 5, 28778-28785.	1.7	57
34	Polymerization Coupled To Oscillating Reactions:â€‰ (1) A Mechanistic Investigation of Acrylonitrile Polymerization in the Belousovâˆ’Zhabotinsky Reaction in a Batch Reactor. Journal of the American Chemical Society, 1999, 121, 7373-7380.	6.6	53
35	The effect of convection on a propagating front with a liquid product: Comparison of theory and experiments. Chaos, 1998, 8, 520-529.	1.0	51
36	Period-doubling behavior in frontal polymerization of multifunctional acrylates. Chaos, 1999, 9, 315-322.	1.0	51

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37	The effect of a trithiol and inorganic fillers on the photoâ€induced thermal frontal polymerization of a triacrylate. Journal of Polymer Science Part A, 2008, 46, 8091-8096.	2.5	51
38	Frontal polymerization with monofunctional and difunctional ionic liquid monomers. Journal of Polymer Science Part A, 2007, 45, 2745-2754.	2.5	50
39	Traveling Waves in the Iodate-Sulfite and Bromate-Sulfite Systems. The Journal of Physical Chemistry, 1995, 99, 5379-5384.	2.9	49
40	Frontal Dispersion Polymerization. Journal of Physical Chemistry B, 1998, 102, 3927-3929.	1.2	49
41	Polymeric nanocomposites containing polyhedral oligomeric silsesquioxanes prepared via frontal polymerization. Journal of Polymer Science Part A, 2007, 45, 4514-4521.	2.5	49
42	Free-Radical Frontal Polymerization with a Microencapsulated Initiator:Â Characterization of Microcapsules and Their Effect on Pot Life, Front Velocity, and Mechanical Properties. Macromolecules, 2006, 39, 55-63.	2.2	47
43	Facile synthesis of poly(hydroxyethyl acrylate) by frontal free-radical polymerization. Journal of Polymer Science Part A, 2007, 45, 873-881.	2.5	47
44	Numerical modeling of self-propagating polymerization fronts: The role of kinetics on front stability. Chaos, 1997, 7, 331-340.	1.0	45
45	The effect of reactor geometry on frontal polymerization spin modes. Chaos, 2002, 12, 56-65.	1.0	45
46	Porous monoliths synthesized <i>via</i> polymerization of styrene and divinyl benzene in nonaqueous deep-eutectic solvent-based HIPEs. RSC Advances, 2015, 5, 23255-23260.	1.7	44
47	Periodic polymerization of acrylonitrile in the cerium-catalyzed Belousov-Zhabotinskii reaction. Journal of the American Chemical Society, 1992, 114, 8298-8299.	6.6	43
48	Frontal free-radical copolymerization of urethaneâ€“acrylates. Journal of Polymer Science Part A, 2006, 44, 3018-3024.	2.5	43
49	pH Wave-Front Propagation in the Urea-Urease Reaction. Biophysical Journal, 2012, 103, 610-615.	0.2	43
50	Photopolymerization kinetics of ionic liquid monomers derived from the neutralization reaction between trialkylamines and acid-containing (meth)acrylates. Journal of Polymer Science Part A, 2007, 45, 3009-3021.	2.5	40
51	Free-Radical Frontal Polymerization with a Microencapsulated Initiator. Macromolecules, 2004, 37, 6670-6672.	2.2	39
52	Gelation and Cross-Linking in Multifunctional Thiol and Multifunctional Acrylate Systems Involving an <i>in Situ</i> Comonomer Catalyst. Macromolecules, 2014, 47, 821-829.	2.2	39
53	Synthesis-Free Phase-Selective Gelator for Oil-Spill Remediation. ACS Applied Materials & Interfaces, 2017, 9, 33549-33553.	4.0	39
54	Isothermal frontal polymerization: Confirmation of the mechanism and determination of factors affecting the front velocity, front shape, and propagation distance with comparison to mathematical modeling. Journal of Polymer Science Part A, 2005, 43, 5774-5786.	2.5	38

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55	Deep-Eutectic Solvents as MWCNT Delivery Vehicles in the Synthesis of Functional Poly(HIPE) Nanocomposites for Applications as Selective Sorbents. ACS Applied Materials & Interfaces, 2016, 8, 31295-31303.	4.0	38
56	Chemical Waves in the Iodide-Nitric Acid System. The Journal of Physical Chemistry, 1994, 98, 6030-6037.	2.9	37
57	Single-head spin modes in frontal polymerization. Chaos, 1998, 8, 285-289.	1.0	36
58	Free-Radical Frontal Copolymerization: The Dependence of the Front Velocity on the Monomer Feed Composition and Reactivity Ratios. Macromolecular Theory and Simulations, 2003, 12, 276-286.	0.6	36
59	Deep-eutectic solvents as a support in the nonaqueous synthesis of macroporous poly(HIPEs). RSC Advances, 2014, 4, 41584-41587.	1.7	36
60	Sustainable-solvent-induced polymorphism in chitin films. Green Chemistry, 2016, 18, 4303-4311.	4.6	36
61	Multicomponent convection induced by fronts in the chlorate-sulfite reaction. The Journal of Physical Chemistry, 1993, 97, 3443-3449.	2.9	34
62	Frontal Polymerization of Deep Eutectic Solvents Composed of Acrylic and Methacrylic Acids. Journal of Polymer Science Part A, 2017, 55, 4046-4050.	2.5	34
63	Overview: Nonlinear dynamics related to polymeric systems. Chaos, 1999, 9, 255-259.	1.0	33
64	Gas-free initiators for high-temperature free-radical polymerization. Journal of Polymer Science Part A, 2000, 38, 3984-3990.	2.5	33
65	Preparation and application of microparticles prepared via the primary amineâ€catalyzed michael addition of a trithiol to a triacrylate. Journal of Polymer Science Part A, 2012, 50, 409-422.	2.5	33
66	Temporal Control of Gelation and Polymerization Fronts Driven by an Autocatalytic Enzyme Reaction. Angewandte Chemie, 2016, 128, 2167-2171.	1.6	33
67	Double-Diffusive Convection in Traveling Waves in the Iodateâ˘'Sulfite System Explained. The Journal of Physical Chemistry, 1996, 100, 16209-16212.	2.9	32
68	Free radical-scavenging dyes as indicators of frontal polymerization dynamics. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 919-922.	1.7	30
69	Photopolymerization kinetics of tributylmethylammoniumâ€based (meth)acrylate ionic liquids and the effect of water. Journal of Polymer Science Part A, 2008, 46, 3766-3773.	2.5	30
70	Optical gradient materials produced via low-temperature isothermal frontal polymerization. Journal of Applied Polymer Science, 2001, 80, 686-691.	1.3	29
71	Fabrication and Characterization of Stable Hydrophilic Microfluidic Devices Prepared via the in Situ Tertiary-Amine Catalyzed Michael Addition of Multifunctional Thiols to Multifunctional Acrylates. ACS Applied Materials & Interfaces, 2013, 5, 1643-1655.	4.0	29
72	Frontal cationic curing of epoxy resins in the presence of defoaming or expanding compounds. Journal of Applied Polymer Science, 2014, 131, .	1.3	29

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73	Thermochromic composites and propagating polymerization fronts. Advanced Materials, 1995, 7, 1038-1040.	11.1	28
74	Effect of orientation on thermoset frontal polymerization. Journal of Polymer Science Part A, 2002, 40, 3504-3508.	2.5	28
75	Periodic Convection in the Bromate-Sulfite Reaction: A "Jumping" Wave. The Journal of Physical Chemistry, 1995, 99, 5385-5388.	2.9	27
76	Timeâ€lapse thiolâ€acrylate polymerization using a pH clock reaction. Journal of Polymer Science Part A, 2010, 48, 2955-2959.	2.5	26
77	The true molecular weight distributions of acrylate polymers formed in propagating fronts. Journal of Polymer Science Part A, 1996, 34, 991-995.	2.5	25
78	Isothermal frontal polymerization: Confirmation of the isothermal nature of the process and the effect of oxygen and polymer seed molecular weight on front propagation. Journal of Polymer Science Part A, 2006, 44, 3601-3608.	2.5	25
79	Spherically propagating thermal polymerization fronts. Journal of Polymer Science Part A, 2006, 44, 1387-1395.	2.5	25
80	Measuring the Mutual Diffusion Coefficient for Dodecyl Acrylate in Low Molecular Weight Poly(dodecyl acrylate) with Laser Line Deflection (Wiener's Method) and the Fluorescence of Pyrene. Journal of Physical Chemistry B, 2005, 109, 11842-11849.	1.2	24
81	Convective Chemical Fronts in the 1,4-Cyclohexanedioneâˆ'Bromateâˆ'Sulfuric Acidâˆ'Ferroin System. Journal of Physical Chemistry A, 1998, 102, 9136-9141.	1.1	22
82	Miscible Fluids in Microgravity (MFMG): A zero-upmass investigation on the International Space Station. Microgravity Science and Technology, 2007, 19, 33-41.	0.7	22
83	The effect of phase change materials on the frontal polymerization of a triacrylate. Physica D: Nonlinear Phenomena, 2010, 239, 838-847.	1.3	22
84	Thiolâ€acrylate nanocomposite foams for critical size bone defect repair: A novel biomaterial. Journal of Biomedical Materials Research - Part A, 2013, 101, 3531-3541.	2.1	22
85	The effect of acrylate functionality on frontal polymerization velocity and temperature. Journal of Polymer Science Part A, 2019, 57, 982-988.	2.5	21
86	Zinc chloride/acetamide deep eutectic solventâ€mediated fractionation of lignin produces highâ€and lowâ€molecularâ€weight fillers for phenolâ€formaldehyde resins. Journal of Applied Polymer Science, 2020, 137, 48385.	1.3	20
87	Cureâ€onâ€demand wood adhesive based on the frontal polymerization of acrylates. Journal of Applied Polymer Science, 2016, 133, .	1.3	19
88	Synthesis and characterization of thiolâ€acrylate hydrogels using a baseâ€catalyzed Michael addition for 3D cell culture applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2294-2307.	1.6	19
89	Reaction-diffusion hydrogels from urease enzyme particles for patterned coatings. Communications Chemistry, 2021, 4, .	2.0	19
90	Magnetic resonance imaging of spiral patterns in crosslinked polymer gels produced via frontal polymerization. Journal of Polymer Science Part A, 2001, 39, 1075-1080.	2.5	18

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91	Front velocity dependence on vinyl ether and initiator concentration in <scp>radicalâ€induced</scp> cationic frontal polymerization of epoxies. Journal of Polymer Science, 2021, 59, 1678-1685.	2.0	18
92	Determination of the diffusion coefficient between corn syrup and distilled water using a digital camera. American Journal of Physics, 2007, 75, 903-906.	0.3	17
93	Skin glands of an aquatic salamander vary in size and distribution and release antimicrobial secretions effective against chytrid fungal pathogens. Journal of Experimental Biology, 2018, 221, .	0.8	17
94	Kinetic Studies of Photopolymerization of Monomerâ€Containing Deep Eutectic Solvents. Macromolecular Chemistry and Physics, 2020, 221, 1900511.	1.1	17
95	Convection induced by composition gradients in miscible systems. Comptes Rendus - Mecanique, 2002, 330, 353-358.	2.1	16
96	Numerical Simulations of Convection Induced by Korteweg Stresses in a Miscible Polymerâ€“Monomer System: Effects of Variable Transport Coefficients, Polymerization Rate and Volume Changes. Microgravity Science and Technology, 2009, 21, 225-237.	0.7	16
97	Frontal Polymerization of a Thin Film on a Wood Substrate. ACS Macro Letters, 2020, 9, 169-173.	2.3	16
98	Numerical simulations of convection induced by Korteweg stresses in miscible polymermonomer systems. Microgravity Science and Technology, 2005, 17, 8-12.	0.7	15
99	Nonaqueous Synthesis of Macroporous Nanocomposites Using High Internal Phase Emulsion Stabilized by Nanohydroxyapatite. Advanced Materials Interfaces, 2017, 4, 1700094.	1.9	15
100	Immobilization adjusted clock reaction in the ureaâ€“ureaseâ€“H⁺ reaction system. RSC Advances, 2019, 9, 3514-3519.	1.7	15
101	Dissipative structures and irreversibility in nature: Celebrating 100th birth anniversary of Ilya Prigogine (1917â€“2003). Chaos, 2017, 27, 104501.	1.0	14
102	Thermal transport and chemical effects of fillers on <scp>freeâ€radical</scp> frontal polymerization. Journal of Polymer Science, 2020, 58, 2267-2277.	2.0	14
103	Propagating Fronts of Polymerization in the Physical Chemistry Laboratory. Journal of Chemical Education, 1997, 74, 727.	1.1	13
104	Snellâ€™s law of refraction observed in thermal frontal polymerization. Chaos, 2007, 17, 033125.	1.0	13
105	Neutron Scattering Study of the Structural Change Induced by Photopolymerization of AOT/D₂O/Dodecyl Acrylate Inverse Microemulsions. Langmuir, 2008, 24, 13694-13700.	1.6	13
106	Effects of thiols, lithium chloride, and ethoxylated monomers on the frontal polymerization of a triacrylate. Journal of Polymer Science Part A, 2011, 49, 4556-4561.	2.5	12
107	Effects of shell crosslinking on polyurea microcapsules containing a freeâ€radical initiator. Journal of Applied Polymer Science, 2015, 132, .	1.3	12
108	Development of a Flow-free Gradient Generator Using a Self-Adhesive Thiol-acrylate Microfluidic Resin/Hydrogel (TAMR/H) Hybrid System. ACS Applied Materials & Interfaces, 2021, 13, 26735-26747.	4.0	12

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109	Thermal frontal polymerization with a thermally released redox catalyst. Journal of Polymer Science Part A, 2012, 50, 2337-2343.	2.5	11
110	The effect of a crosslinking chemical reaction on pattern formation in viscous fingering of miscible fluids in a Heleâ€“Shaw cell. Chaos, 2017, 27, 104614.	1.0	11
111	Influence of reaction-induced convection on quorum sensing in enzyme-loaded agarose beads. Chaos, 2019, 29, 033130.	1.0	11
112	Rapid frontal polymerization achieved with thermally conductive metal strips. Chaos, 2021, 31, 073113.	1.0	11
113	Studying diffusion of partially miscible and systems near their consolute point by laser line deflection. Optics and Lasers in Engineering, 2008, 46, 893-899.	2.0	10
114	Self Organization in Synthetic Polymeric Systems. Annals of the New York Academy of Sciences, 1999, 879, 194-214.	1.8	9
115	Nonlinear Dynamics in Frontal Polymerization. ACS Symposium Series, 2003, , 106-120.	0.5	9
116	A study of the effects of thiols on the frontal polymerization and pot life of multifunctional acrylate systems with cumene hydroperoxide. Journal of Polymer Science Part A, 2013, 51, 3850-3855.	2.5	8
117	Antimicrobial cytocompatible pentaerythritol triacrylateâ€coâ€trimethylolpropane composite scaffolds for orthopaedic implants. Journal of Applied Polymer Science, 2014, 131, .	1.3	8
118	<i>In vitro</i> evaluation of thermal frontally polymerized thiolâ€ene composites as bone augments. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1152-1160.	1.6	8
119	A New Approach to Manufacturing with Frontal Polymerization to Generate Patterned Materials. ACS Central Science, 2021, 7, 534-535.	5.3	8
120	Charge transfer complexes as dual thermal/photo initiators for <scp>freeâ€radical</scp> frontal polymerization. Journal of Polymer Science, 2022, 60, 1624-1630.	2.0	8
121	Theoretical aspects of self-propagating reaction fronts in condensed medium. AICHE Journal, 1995, 41, 2631-2636.	1.8	7
122	Mathematical modeling of frontal polymerization. Mathematical Modelling of Natural Phenomena, 2019, 14, 604.	0.9	7
123	Bubble Behavior in Frontal Polymerization:Results from KC-135 Parabolic Flights. ACS Symposium Series, 2001, , 112-125.	0.5	6
124	Evolution of Isothermal Polymerization Fronts via Laser Line Deflection and Predictive Modeling. ACS Symposium Series, 2003, , 169-183.	0.5	6
125	Reconstruction by fluorescence imaging of the spatio-temporal evolution of the viscosity field in Hele-Shaw flows. Physics of Fluids, 2014, 26, .	1.6	6
126	Anisotropic frontal polymerization in a model resinâ€“copper composite. Chaos, 2022, 32, 013109.	1.0	6

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127	Suspended Droplet Polymerization in an Unstable, Vibrating Shallow-Bed Reactor. Industrial & Engineering Chemistry Research, 2016, 55, 2493-2503.	1.8	5
128	Cure-on-Demand Composites by Frontal Polymerization. , 2022, , .		4
129	Polymer Processing in Microgravity: An Overview. ACS Symposium Series, 2001, , 2-15.	0.5	3
130	Humidityâ€responsive polymeric films based on AOTâ€water reverse microemulsions. Journal of Applied Polymer Science, 2007, 106, 1957-1963.	1.3	3
131	Electron paramagnetic resonance measurement of trapped radical concentrations in frontally polymerized and bulkâ€polymerized multifunctional (meth)acrylates. Journal of Polymer Science Part A, 2011, 49, 4261-4266.	2.5	3
132	The apparently anomalous effects of surfactants on interfacial tension in the IBA/water system near its upper critical solution temperature. Colloid and Polymer Science, 2016, 294, 1425-1430.	1.0	3
133	Effect of pseudo-gravitational acceleration on the dissolution rate of miscible drops. Chaos, 2017, 27, 104603.	1.0	3
134	Preparation of functionally gradient materials via frontal polymerization. , 2000, 78, 2398.		3
135	Nonlinear Chemical Dynamics In Synthetic Polymer Systems. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 221-240.	0.5	3
136	Critical Role of Layer Thickness in Frontal Polymerization. Journal of Physical Chemistry B, 2022, 126, 3607-3618.	1.2	3
137	Binary frontal polymerization: Velocity dependence on initial composition. E-Polymers, 2004, 4, .	1.3	2
138	Europium-doped aluminum oxide phosphors as indicators for frontal polymerization dynamics. Chaos, 2014, 24, 023118.	1.0	2
139	Microparticles and latexes prepared via suspension polymerization of a biobased vegetable oil and renewable carboxylic acid. Journal of Applied Polymer Science, 2021, 138, 50180.	1.3	2
140	Frontal Polymerization: Self-Propagating High-Temperature Synthesis of Polymeric Materials. ACS Symposium Series, 1997, , 220-235.	0.5	1
141	Studying Nonlinear Dynamics with Numerical Experiments: Dynamics.mcd. Journal of Chemical Education, 1999, 76, 1310.	1.1	1
142	Nonlinear Dynamics and Polymeric Systems: An Overview. ACS Symposium Series, 2003, , 2-15.	0.5	1
143	Introduction to Focus Issue: Oscillations and Dynamic Instabilities in Chemical Systems: Dedicated to Irving R. Epstein on occasion of his 70th birthday. Chaos, 2015, 25, 064201.	1.0	1
144	Cure-on-Demand Acrylamide Grout Using Frontal Polymerization. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	1

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145	The role of gravity in the motion of plasma arcs inside â€˜Plasma Ballsâ€™: An investigation in the NASA reduced gravity student flight opportunities program. Microgravity Science and Technology, 2006, 18, 39-43.	0.7	0