

Kenneth J Shea

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

245
papers

11,996
citations

59
h-index

99
g-index

277
ext. papers

12,844
ext. citations

9.2
avg, IF

6.4
L-index

#	Paper	IF	Citations
245	Engineered polymer nanoparticles incorporating l-amino acid groups as affinity reagents for fibrinogen. <i>Journal of Pharmaceutical Analysis</i> , 2021 , 11, 596-602	14	1
244	Abiotic Stimuli-Responsive Protein Affinity Reagent for IgG. <i>Biomacromolecules</i> , 2021 , 22, 2641-2648	6.9	3
243	A Biomimetic of Endogenous Tissue Inhibitors of Metalloproteinases: Inhibition Mechanism and Contribution of Composition, Polymer Size, and Shape to the Inhibitory Effect. <i>Nano Letters</i> , 2021 , 21, 5663-5670	11.5	1
242	Abiotic Mimic of Matrix Metalloproteinase-9 Inhibitor against Advanced Metastatic Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3190-3200	5.5	0
241	Investigating PLGA microparticle swelling behavior reveals an interplay of expansive intermolecular forces. <i>Scientific Reports</i> , 2021 , 11, 14512	4.9	4
240	A biomass based photonic crystal made of konjac tofu. <i>Chinese Chemical Letters</i> , 2021 , 32, 587-590	8.1	4
239	In situ formed thermogelable hydrogel photonic crystals assembled by thermosensitive IPNs. <i>Materials Horizons</i> , 2021 , 8, 932-938	14.4	5
238	Synthesis of a High Affinity Complementary Peptide-Polymer Nanoparticle (NP) Pair Using Phage Display.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2704-2712	4.1	2
237	Metal-Free Polymer-Based Affinity Medium for Selective Purification of His6-Tagged Proteins. <i>Biomacromolecules</i> , 2021 , 22, 1695-1705	6.9	5
236	Synthetic hydrogel nanoparticles for sepsis therapy. <i>Nature Communications</i> , 2021 , 12, 5552	17.4	3
235	Detection of lysozyme in body fluid based on two-dimensional colloidal crystal sensor. <i>Microchemical Journal</i> , 2020 , 157, 105073	4.8	9
234	Monodisperse oligo(ε-valerolactones) and oligo(ε-caprolactones) with docosyl (C22) end-groups. <i>Polymer Chemistry</i> , 2020 , 11, 4228-4236	4.9	4
233	Abiotic Mimic of Endogenous Tissue Inhibitors of Metalloproteinases: Engineering Synthetic Polymer Nanoparticles for Use as a Broad-Spectrum Metalloproteinase Inhibitor. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2338-2345	16.4	10
232	Dyeing and Functionalization of Wearable Silk Fibroin/Cellulose Composite by Nanocolloidal Array. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39163-39170	9.5	18
231	Engineering the Binding Kinetics of Synthetic Polymer Nanoparticles for siRNA Delivery. <i>Biomacromolecules</i> , 2019 , 20, 3648-3657	6.9	8
230	Metabolite Responsive Nanoparticle-Protein Complex. <i>Biomacromolecules</i> , 2019 , 20, 2703-2712	6.9	7
229	Ferrocene-based metalorganic framework nanosheets loaded with palladium as a super-high active hydrogenation catalyst. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15975-15980	13	40

228	Sequestering and inhibiting a vascular endothelial growth factor in vivo by systemic administration of a synthetic polymer nanoparticle. <i>Journal of Controlled Release</i> , 2019 , 295, 13-20	11.7	14
227	Preparation of redox- and photo-responsive ferrocene- and azobenzene-based polymer films and their properties. <i>European Polymer Journal</i> , 2018 , 100, 103-110	5.2	14
226	Redox/temperature responsive nonionic nanogel and photonic crystal hydrogel: Comparison between N, N'-Bis(acryloyl)cystamine and N, N'-methylenebisacrylamide. <i>Polymer</i> , 2018 , 137, 112-121	3.9	8
225	Self-assembly of a nano hydrogel colloidal array for the sensing of humidity.. <i>RSC Advances</i> , 2018 , 8, 9963-9969	3.7	9
224	Efficient capture, rapid killing and ultrasensitive detection of bacteria by a nano-decorated multi-functional electrode sensor. <i>Biosensors and Bioelectronics</i> , 2018 , 101, 52-59	11.8	51
223	Engineered nanoparticles bind elapid snake venom toxins and inhibit venom-induced dermonecrosis. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006736	4.8	21
222	Synthetic Polymer Affinity Ligand for Bacillus thuringiensis (Bt) Cry1Ab/Ac Protein: The Use of Biomimicry Based on the Bt Protein-Insect Receptor Binding Mechanism. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6853-6864	16.4	14
221	A polymer nanoparticle with engineered affinity for a vascular endothelial growth factor (VEGF). <i>Nature Chemistry</i> , 2017 , 9, 715-722	17.6	88
220	Synthesis of Poly(methylene-b-E-caprolactone) and Poly(E-caprolactone) with Linear Alkyl End Groups: Synthesis, Characterization, Phase Behavior, and Compatibilization Efficacy. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10366-10383	3.9	8
219	Self-assembly of the polymer brush-grafted silica colloidal array for recognition of proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 5319-5326	4.4	9
218	Biomimetic Design of Mussel-Derived Bioactive Peptides for Dual-Functionalization of Titanium-Based Biomaterials. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15078-15086	16.4	112
217	Tuning the Protein Corona of Hydrogel Nanoparticles: The Synthesis of Abiotic Protein and Peptide Affinity Reagents. <i>Accounts of Chemical Research</i> , 2016 , 49, 1200-10	24.3	61
216	Synthesis of surfactant-free hydroxypropyl methylcellulose nanogels for controlled release of insulin. <i>Carbohydrate Polymers</i> , 2016 , 151, 1006-1011	10.3	18
215	Design of Synthetic Polymer Nanoparticles That Facilitate Resolubilization and Refolding of Aggregated Positively Charged Lysozyme. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4282-5	16.4	48
214	Convenient Controlled Aqueous C1 Synthesis of Long-Chain Aliphatic AB, AA, and BB Macromonomers for the Synthesis of Polyesters with Tunable Hydrocarbon Chain Segments. <i>ACS Macro Letters</i> , 2016 , 5, 854-857	6.6	6
213	Engineering the Protein Corona of a Synthetic Polymer Nanoparticle for Broad-Spectrum Sequestration and Neutralization of Venomous Biomacromolecules. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16604-16607	16.4	49
212	A sol-gel derived pH-responsive bovine serum albumin molecularly imprinted poly(ionic liquids) on the surface of multiwall carbon nanotubes. <i>Analytica Chimica Acta</i> , 2016 , 932, 29-40	6.6	43
211	Tuning Hydrophobicity in Abiotic Affinity Reagents: Polymer Hydrogel Affinity Reagents for Molecules with Lipid-like Domains. <i>Biomacromolecules</i> , 2016 , 17, 1860-8	6.9	13

210	Molecular imprinted photonic crystal for sensing of biomolecules. <i>Molecular Imprinting</i> , 2016 , 4, 1-12		30
209	Measuring Protein Binding to Individual Hydrogel Nanoparticles with Single-Nanoparticle Surface Plasmon Resonance Imaging Microscopy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16843-16849	3.8	23
208	Preparation of high encapsulation efficiency fragrance microcapsules and their application in textiles. <i>RSC Advances</i> , 2016 , 6, 80924-80933	3.7	30
207	Bioinspired Lotus-like Self-Illuminous Coating. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18424-8	9.5	16
206	Gradient Methylidene-Ethylidene Copolymer via C1 Polymerization: an Ersatz Gradient Ethylene-Propylene Copolymer. <i>ACS Macro Letters</i> , 2015 , 4, 584-587	6.6	16
205	Studies toward the synthesis of β -stenine. <i>Tetrahedron Letters</i> , 2015 , 56, 3497-3499	2	7
204	Preparation of abiotic polymer nanoparticles for sequestration and neutralization of a target peptide toxin. <i>Nature Protocols</i> , 2015 , 10, 595-604	18.8	38
203	Measuring melittin uptake into hydrogel nanoparticles with near-infrared single nanoparticle surface plasmon resonance microscopy. <i>Analytical Chemistry</i> , 2015 , 87, 4973-9	7.8	24
202	Polymerization mechanism of poly(ethylene glycol dimethacrylate) fragrance nanocapsules. <i>RSC Advances</i> , 2015 , 5, 96067-96073	3.7	11
201	Design of multi-functional linear polymers that capture and neutralize a toxic peptide: a comparison with cross-linked nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1706-1711	7.3	25
200	Preparation, Properties, and Supercooling Prevention of Phase Change Materialn-Octadecane Microcapsules with Peppermint Fragrance Scent. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8130-8136	3.9	37
199	Synthesis of surfactant-free hydroxypropylcellulose nanogel and its dual-responsive properties. <i>Carbohydrate Polymers</i> , 2015 , 134, 385-9	10.3	19
198	Molecularly imprinted hollow sphere array for the sensing of proteins. <i>Journal of Biophotonics</i> , 2015 , 8, 838-45	3.1	14
197	Chiral polymers of intrinsic microporosity: selective membrane permeation of enantiomers. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11214-8	16.4	80
196	Chiral Polymers of Intrinsic Microporosity: Selective Membrane Permeation of Enantiomers. <i>Angewandte Chemie</i> , 2015 , 127, 11366-11370	3.6	9
195	Molecularly imprinted hollow spheres for the solid phase extraction of estrogens. <i>Talanta</i> , 2015 , 140, 68-72	6.2	43
194	Polymer antidotes for toxin sequestration. <i>Advanced Drug Delivery Reviews</i> , 2015 , 90, 81-100	18.5	28
193	Preparation of nanogel-immobilized porous gel beads for affinity separation of proteins: fusion of nano and micro gel materials. <i>Polymer Journal</i> , 2015 , 47, 220-225	2.7	10

192	Protein recognition by a surface imprinted colloidal array. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7165-13	35
191	Dynamic introduction of cell adhesive factor via reversible multivalent phenylboronic acid/cis-diol polymeric complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6203-6	16.4 98
190	Polymer nanoparticle hydrogels with autonomous affinity switching for the protection of proteins from thermal stress. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9275-9	16.4 44
189	Synthesis of High Molecular Weight Polymethylene via C1 Polymerization. The Role of Oxygenated Impurities and Their Influence on Polydispersity. <i>Macromolecules</i> , 2014 , 47, 5484-5491	5.5 9
188	Progress toward the total synthesis of N-methylwelwitindolinone B isothiocyanate. <i>Organic Letters</i> , 2014 , 16, 4460-3	6.2 18
187	Engineering nanoparticle antitoxins utilizing aromatic interactions. <i>Biomacromolecules</i> , 2014 , 15, 3290-56.9	23
186	Methylene-bridged polysilsesquioxanes: substitution of a methylene spacer within a silicate matrix. <i>Journal of Materials Science</i> , 2014 , 49, 5006-5016	4.3 6
185	Epitope discovery for a synthetic polymer nanoparticle: a new strategy for developing a peptide tag. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1194-7	16.4 36
184	Polymer Nanoparticle Hydrogels with Autonomous Affinity Switching for the Protection of Proteins from Thermal Stress. <i>Angewandte Chemie</i> , 2014 , 126, 9429-9433	3.6 4
183	Influence of the alkoxide group, solvent, catalyst, and concentration on the gelation and porosity of hexylene-bridged polysilsesquioxanes. <i>Journal of Non-Crystalline Solids</i> , 2013 , 362, 82-94	3.9 14
182	Origins of regio- and stereochemistry in type 2 intramolecular N-acylnitroso Diels-Alder reactions: a computational study of tether length and substituent effects. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4090-8	4.2 9
181	Particle deformation and concentration polarization in electroosmotic transport of hydrogels through pores. <i>ACS Nano</i> , 2013 , 7, 3720-8	16.7 41
180	Polymer nanoparticle-protein interface. Evaluation of the contribution of positively charged functional groups to protein affinity. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 374-9	9.5 54
179	Temperature-responsive "catch and release" of proteins by using multifunctional polymer-based nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2405-8	16.4 125
178	Hydrocarbon Waxes from a Salt in Water: The C1 Polymerization of Trimethylsulfoxonium Halide. <i>ACS Macro Letters</i> , 2012 , 1, 560-563	6.6 12
177	Light-triggered charge reversal of organic-silica hybrid nanoparticles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11072-5	16.4 29
176	ELISA-mimic screen for synthetic polymer nanoparticles with high affinity to target proteins. <i>Biomacromolecules</i> , 2012 , 13, 2952-7	6.9 46
175	Engineered synthetic polymer nanoparticles as IgG affinity ligands. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15765-72	16.4 71

174	Synthetic polymer nanoparticle-polysaccharide interactions: a systematic study. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2681-90	16.4	77
173	Temperature-Responsive Catch and Release of Proteins by using Multifunctional Polymer-Based Nanoparticles. <i>Angewandte Chemie</i> , 2012 , 124, 2455-2458	3.6	18
172	Learning and discrimination of cuticular hydrocarbons in a social insect. <i>Biology Letters</i> , 2012 , 8, 17-20	3.6	33
171	The rational design of a synthetic polymer nanoparticle that neutralizes a toxic peptide in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 33-8	11.5	152
170	Electric-field-induced wetting and dewetting in single hydrophobic nanopores. <i>Nature Nanotechnology</i> , 2011 , 6, 798-802	28.7	230
169	Polyhomologation: The Living Polymerization of Ylides 2011 , 349-376		3
168	Ischemic stroke because of intracranial fibromuscular dysplasia. <i>Pediatric Neurology</i> , 2011 , 44, 214-7	2.9	7
167	The evolution of plastic antibodies. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3517-3521		83
166	Organo-silica hybrid functional nanomaterials: how do organic bridging groups and silsesquioxane moieties work hand-in-hand?. <i>Chemical Society Reviews</i> , 2011 , 40, 688-95	58.5	81
165	Copper(II)-catalyzed room temperature aerobic oxidation of hydroxamic acids and hydrazides to acyl-nitroso and azo intermediates, and their Diels-Alder trapping. <i>Organic Letters</i> , 2011 , 13, 3442-5	6.2	56
164	Microwave assisted synthesis of bridgehead alkenes. <i>Organic Letters</i> , 2011 , 13, 1781-3	6.2	14
163	Rectangular chain packing of methyl-branched paraffins: persistence of an interchain interaction and forms of disorder. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 8858-63	3.4	2
162	Concerns for the reliability and validity of the National Stroke Project Stroke Severity Scale. <i>Cerebrovascular Diseases</i> , 2011 , 32, 426-30	3.2	4
161	Uniform, Spherical Bridged Polysilsesquioxane Nano- and Microparticles by a Nonemulsion Method. <i>Chemistry of Materials</i> , 2010 , 22, 5244-5250	9.6	29
160	Polyhomologation. A living C1 polymerization. <i>Accounts of Chemical Research</i> , 2010 , 43, 1420-33	24.3	84
159	Affinity purification of multifunctional polymer nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13648-50	16.4	81
158	Synthetic polymer nanoparticles with antibody-like affinity for a hydrophilic peptide. <i>ACS Nano</i> , 2010 , 4, 199-204	16.7	98
157	Recognition, neutralization, and clearance of target peptides in the bloodstream of living mice by molecularly imprinted polymer nanoparticles: a plastic antibody. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6644-5	16.4	388

156	Deciphering the chemical basis of nestmate recognition. <i>Journal of Chemical Ecology</i> , 2010 , 36, 751-8	2.7	33
155	New Version of Laser Device Materials for Developing Diffraction Beam Modulators; Novel Nano-periodic Structures. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1176, 11		
154	Design of synthetic polymer nanoparticles that capture and neutralize a toxic peptide. <i>Small</i> , 2009 , 5, 1562-8	11	89
153	The scent of supercolonies: the discovery, synthesis and behavioural verification of ant colony recognition cues. <i>BMC Biology</i> , 2009 , 7, 71	7.3	28
152	New Architectures in Hydrogen Bond Catalysis. <i>Tetrahedron Letters</i> , 2009 , 50, 6830-6833	2	34
151	Asymmetric bisboranes as bidentate catalysts for carbonyl substrates. <i>Organic Letters</i> , 2009 , 11, 713-5	6.2	7
150	Synthesis of the bicyclic welwitindolinone core via an alkylation/cyclization cascade reaction. <i>Organic Letters</i> , 2009 , 11, 5330-3	6.2	39
149	High-contrast solid-state electrochromic devices of viologen-bridged polysilsesquioxane nanoparticles fabricated by layer-by-layer assembly. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 83-9	9.5	72
148	Squeezing ionic liquids through nanopores. <i>Nano Letters</i> , 2009 , 9, 2125-8	11.5	70
147	Photoresponsive Hybrid Materials: Synthesis and Characterization of Coumarin-Dimer-Bridged Polysilsesquioxanes. <i>Chemistry of Materials</i> , 2008 , 20, 1870-1876	9.6	48
146	Optical Glass Effectively Generating a Large Acoustic Wave for Diffraction Beam Modulator Applications. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 18173-18177	3.8	
145	Peptide imprinted polymer nanoparticles: a plastic antibody. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15242-3	16.4	327
144	An approach to the synthesis of stenine. <i>Organic Letters</i> , 2007 , 9, 2269-71	6.2	32
143	Enantioselective synthesis of bridged bicyclic ring systems. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9402-5	4.2	12
142	Polymethylene-block-poly(dimethyl siloxane)-block-polymethylene nanoaggregates in toluene at room temperature. <i>Polymer</i> , 2007 , 48, 4123-4129	3.9	34
141	The effect of a donor's history of active substance on outcomes following orthotopic heart transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2007 , 31, 452-6; discussion 456	3	17
140	Survival is not compromised in donor hearts with echocardiographic abnormalities. <i>Journal of Surgical Research</i> , 2007 , 143, 141-4	2.5	11
139	Type 2 intramolecular N-acylazo Diels-Alder reaction: regio- and stereoselective synthesis of bridgehead bicyclic 1,2-diazines. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6816-23	4.2	28

138	Screening of 5-HT1A receptor antagonists using molecularly imprinted polymers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1680-9	16.4	41
137	Spherical, monodisperse, functional bridged polysilsesquioxane nanoparticles. <i>Nano Letters</i> , 2007 , 7, 2684-7	11.5	36
136	BH3-catalyzed oligomerization of ethyl diazoacetate: the role of C-boron enolates. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4981-91	16.4	42
135	Selective protein capture by epitope imprinting. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2392-6	16.4	373
134	Reaction of Boranes with TMS Diazomethane and Dimethylsulfoxonium Methylide. Synthesis of Poly(methylidene-co-TMSmethylidene) Random Copolymers. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1223-1228	4.8	19
133	Das Tricyclo[9.3.1.0]pentadecan-System [Einfache Synthese des Taxangeröls mit einem aromatischen C-Ring. <i>Angewandte Chemie</i> , 2006 , 95, 422-423	3.6	10
132	Selective Protein Capture by Epitope Imprinting. <i>Angewandte Chemie</i> , 2006 , 118, 2452-2456	3.6	53
131	Photodeformable spherical hybrid nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14250-1	16.4	83
130	Hybrid Polyelectrolyte Materials for Fuel Cell Applications: Design, Synthesis, and Evaluation of Proton-Conducting Bridged Polysilsesquioxanes. <i>Chemistry of Materials</i> , 2006 , 18, 3665-3673	9.6	46
129	Alternating droplet generation and controlled dynamic droplet fusion in microfluidic device for CdS nanoparticle synthesis. <i>Lab on A Chip</i> , 2006 , 6, 174-8	7.2	339
128	Chemically modified dansyl probes: a fluorescent diagnostic for ion and proton detection in solution and in polymers. <i>Organic Letters</i> , 2006 , 8, 1581-4	6.2	32
127	Repetitive sp ³ sp ³ Carbon-Carbon Bond-Forming Copolymerizations of Primary and Tertiary Ylides. Synthesis of Substituted Carbon Backbone Polymers: Poly(cyclopropylidene-co-methylidene). <i>Macromolecules</i> , 2006 , 39, 4948-4952	5.5	19
126	Copolymers from a Single Monomer: Synthesis of Poly(methylidene-co-trimethylsilylmethylidene). <i>Macromolecules</i> , 2006 , 39, 7196-7198	5.5	5
125	A synthesis of the welwistatin core. <i>Organic Letters</i> , 2006 , 8, 5287-9	6.2	90
124	Dual function catalysts. Dehydrogenation and asymmetric intramolecular Diels-Alder cycloaddition of N-hydroxy formate esters and hydroxamic acids: evidence for a ruthenium-acylnitroso intermediate. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3678-9	16.4	64
123	Synthesis and chemistry of bridgehead allylsilanes. Stereoselective reactions with aldehydes. <i>Organic Letters</i> , 2005 , 7, 3913-6	6.2	8
122	Synthesis of Linear β -Olefins via Polyhomologation. <i>Macromolecules</i> , 2005 , 38, 7286-7291	5.5	23
121	Strategies for the generation of molecularly imprinted polymeric nitroxide catalysts. <i>Organic Letters</i> , 2005 , 7, 4879-82	6.2	44

120	Integrated Chemical Systems: The Simultaneous Formation of Hybrid Nanocomposites of Iron Oxide and Organo Silsesquioxanes. <i>Chemistry of Materials</i> , 2005 , 17, 1358-1366	9.6	19
119	A Fabrication of a Novel Microfluidic Reactor Microsynthesis of MIP's Particles. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 872, 1		
118	Evolution of Porosity and Morphology in Alkylene-Bridged Polysilsesquioxane Xerogels as a Function of Gel Aging Time. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 847, 65		1
117	Collapse of Porosity During Drying of Alkylene-Bridged Polysilsesquioxane Gels. Influence of the Bridging Group Length. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 847, 531		
116	Thermal stability and kinetics of ylido-borane complexes. <i>Thermochimica Acta</i> , 2004 , 424, 149-155	2.9	5
115	On the relative migratory aptitudes of carbon and heteroatoms in borate complexes. A surprising alpha-thia effect. <i>Chemical Communications</i> , 2004 , 830-1	5.8	12
114	Synthesis and first molecular structure of a bis-2-spiro-1-boraadamantane derivative. <i>Organic Letters</i> , 2004 , 6, 313-6	6.2	9
113	Type 2 intramolecular N-acylnitroso Diels-Alder reaction: scope and application to the synthesis of medium ring lactams. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3025-35	4.2	38
112	Effect of pH on the Gelation Time of Hexylene-Bridged Polysilsesquioxanes. <i>Chemistry of Materials</i> , 2004 , 16, 2041-2043	9.6	31
111	Structure of Arylene-Bridged Polysilsesquioxane Xerogels and Aerogels. <i>Chemistry of Materials</i> , 2004 , 16, 1402-1410	9.6	39
110	Functional Molecularly Imprinted Polymer Microstructures Fabricated Using Microstereolithography. <i>Advanced Materials</i> , 2003 , 15, 1541-1544	24	52
109	Stereoselective synthesis of an advanced taxusin intermediate: an application of the type 2 intramolecular Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2003 , 44, 9379-9382	2	3
108	Combinatorial methods in molecular imprinting. <i>Current Opinion in Chemical Biology</i> , 2003 , 7, 434-42	9.7	111
107	Synthesis of 1-boraadamantaneamine derivatives with selective astrocyte vs C6 glioma antiproliferative activity. A novel class of anti-hepatitis C agents with potential to bind CD81. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 2823-33	8.3	22
106	The polyhomologation of 1-boraadamantane: mapping the migration pathways of a propagating macrotricyclic trialkylborane. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12179-95	16.4	52
105	Progress toward the total synthesis of (+)-aldosterone: synthesis of the A-D rings. <i>Organic Letters</i> , 2003 , 5, 1613-6	6.2	10
104	Novel trifunctional building blocks for fluorescent polymers. <i>Organic Letters</i> , 2003 , 5, 3895-8	6.2	11
103	Preparation of perhydroisoquinolines via the intramolecular Diels-Alder reaction of N-3,5-hexadienoyl ethyl acrylimidates: a formal synthesis of (+/-)-reserpine. <i>Journal of Organic Chemistry</i> , 2003 , 68, 5274-85	4.2	23

102	Synthesis and Characterization of Mixed Metal Oxide Nanocomposite Energetic Materials. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 800, 109		5
101	Oligonucleotide Imprinting in Aqueous Environment. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 723, 531		1
100	Molecular Imprinting for the Recognition of N-Terminal Histidine Peptides in Aqueous Solution. <i>Macromolecules</i> , 2002 , 35, 6192-6201	5.5	62
99	Type 2 intramolecular N-acylnitroso diels-alder reaction: stereoselective synthesis of bridged bicyclic oxazinolactams. <i>Organic Letters</i> , 2002 , 4, 2637-40	6.2	31
98	Living Polymerization of Sulfur Ylides. Synthesis of Terminally Functionalized and Telechelic Polymethylene. <i>Macromolecules</i> , 2002 , 35, 8330-8337	5.5	38
97	The boron-catalyzed polymerization of dimethylsulfoxonium methylide. A living polymethylene synthesis. <i>Journal of the American Chemical Society</i> , 2002 , 124, 3636-46	16.4	89
96	Vinyl imidates in cycloaddition reactions: a formal synthesis of (+/-)-reserpine. <i>Organic Letters</i> , 2001 , 3, 2265-7	6.2	12
95	Intramolekulare Diels-Alder-Reaktion vom Typ 2: Synthese und Chemie von Brückenkopf-Alkenen. <i>Angewandte Chemie</i> , 2001 , 113, 864-894	3.6	58
94	The Type 2 Intramolecular Diels-Alder Reaction: Synthesis and Chemistry of Bridgehead Alkenes. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 820-849	16.4	158
93	Investigation into the scope and limitations of molecular imprinting with DNA molecules. <i>Analytica Chimica Acta</i> , 2001 , 435, 65-74	6.6	52
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