

David Daz Daz

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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.

198
papers

6,758
citations

40
h-index

77
g-index

212
ext. papers

7,524
ext. citations

5.4
avg, IF

6.27
L-index

#	Paper	IF	Citations
198	Recyclable, Immobilized Transition-Metal Photocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2022 , 364, 2	5.6	2
197	Neue Wege: LED effizienter machen. <i>Nachrichten Aus Der Chemie</i> , 2022 , 70, 69-71	0.1	
196	Hydrazine-Modified Topology-Dependent Conductivity of Cyclic NDI as a Molecular Circuit. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 675-682	3.8	
195	Katalysatoren immobilisieren. <i>Nachrichten Aus Der Chemie</i> , 2022 , 70, 75-78	0.1	0
194	Efficient One-Pot Preparation of Thermoresponsive Polyurethanes with Lower Critical Solution Temperatures. <i>ChemPlusChem</i> , 2021 , 86, 1570-1576	2.8	
193	Highly Efficient Production of Heteroarene Phosphonates by Dichromatic Photoredox Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48784-48794	9.5	2
192	A facile approach for tuning optical and surface properties of novel biobased Alginate/POTE handleable films via solvent vapor exposure. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 258-268	7.9	0
191	Intramolecular Nicholas Reaction Enables the Stereoselective Synthesis of Strained Cyclooctynes. <i>Molecules</i> , 2021 , 26,	4.8	1
190	Aerobic Visible-Light-Driven Borylation of Heteroarenes in a Gel Nanoreactor. <i>Organic Letters</i> , 2021 , 23, 2320-2325	6.2	7
189	A pH-Triggered Polymer Degradation or Drug Delivery System by Light-Mediated Cis/Trans Isomerization of o-Hydroxy Cinnamates. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100213	4.8	3
188	Graphene-based hybrid materials as promising scaffolds for peripheral nerve regeneration. <i>Neurochemistry International</i> , 2021 , 147, 105005	4.4	2
187	Actuators Displaying Unidirectional Movement. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000214	6	1
186	Highly efficient latent fingerprint detection by eight-dansyl-functionalized octasilsesquioxane nanohybrids. <i>Dyes and Pigments</i> , 2021 , 184, 108841	4.6	2
185	Biopolymers as sustainable metal bio-adhesives. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49783	2.9	1
184	Methionine-based carbon monoxide releasing polymer for the prevention of biofilm formation. <i>Polymer Chemistry</i> , 2021 , 12, 3968-3975	4.9	3
183	Molecular Weight Enables Fine-Tuning the Thermal and Dielectric Properties of Polymethacrylates Bearing Sulfonyl and Nitrile Groups as Dipolar Entities. <i>Polymers</i> , 2021 , 13,	4.5	1
182	An air-tolerant polymer gel-immobilized iridium photocatalyst with pumping recyclability properties. <i>Chemical Communications</i> , 2021 , 57, 7762-7765	5.8	2

181	Biohydrogel Based on Dynamic Covalent Bonds for Wound Healing Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6945	2.6	
180	Neuroprotective Effects of Resveratrol in Ischemic Brain Injury. <i>NeuroSci</i> , 2021 , 2, 305-319	1.7	1
179	Recent applications of biphotonic processes in organic synthesis. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1709-1716	5.2	9
178	Effect of Reaction Media on Photosensitized [2+2]-Cycloaddition of Cinnamates. <i>ChemistryOpen</i> , 2020 , 9, 649-656	2.3	5
177	Fluorescent-Labeled Octasilsesquioxane Nanohybrids as Potential Materials for Latent Fingerprinting Detection. <i>Chemistry - A European Journal</i> , 2020 , 26, 13142-13146	4.8	2
176	Sulfonamide as amide isostere for fine-tuning the gelation properties of physical gels.. <i>RSC Advances</i> , 2020 , 10, 11481-11492	3.7	3
175	Amphiphilic Polymer Co-Networks. <i>Gels</i> , 2020 , 6,	4.2	1
174	Biostimulant Nanoencapsulation: The New Keystone To Fight Hunger. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7083-7085	5.7	6
173	Use of a pH-sensitive polymer in a microextraction and preconcentration method directly combined with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1619, 460910	4.5	5
172	Thermoresponsive Shape-Memory Hydrogel Actuators Made by Phototriggered Click Chemistry. <i>Advanced Functional Materials</i> , 2020 , 30, 2001683	15.6	14
171	Gele als Reaktoren. <i>Nachrichten Aus Der Chemie</i> , 2020 , 68, 70-74	0.1	
170	Insulin-loaded mucoadhesive nanoparticles based on mucin-chitosan complexes for oral delivery and diabetes treatment. <i>Carbohydrate Polymers</i> , 2020 , 229, 115506	10.3	38
169	Influence of the epitaxial composition on N-face GaN KOH etch kinetics determined by ICP-OES. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 41-50	3	5
168	Molecular dynamics simulations on self-healing behavior of ionene polymer-based nanostructured hydrogels. <i>Polymer</i> , 2020 , 211, 123072	3.9	5
167	Optical, morphological and photocatalytic properties of biobased tractable films of chitosan/donor-acceptor polymer blends. <i>Carbohydrate Polymers</i> , 2020 , 249, 116822	10.3	5
166	Advanced Functional Hydrogel Biomaterials Based on Dynamic B-O Bonds and Polysaccharide Building Blocks. <i>Biomacromolecules</i> , 2020 , 21, 3984-3996	6.9	21
165	Self-Assembly of Hollow Organic Nanotubes Driven by Arene Regioisomerism. <i>ChemPlusChem</i> , 2020 , 85, 2372-2375	2.8	2
164	Anisotropy and Mechanistic Elucidation of Wet-Chemical Gallium Nitride Etching at the Atomic Level. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 2000221	1.6	4

163	Mucin-Grafted Polyethylene Glycol Microparticles Enable Oral Insulin Delivery for Improving Diabetic Treatment. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2649	2.6	5
162	Antimicrobial activity of poly(3,4-ethylenedioxythiophene) n-doped with a pyridinium-containing polyelectrolyte. <i>Soft Matter</i> , 2019 , 15, 7695-7703	3.6	9
161	Exploring the Effect of the Irradiation Time on Photosensitized Dendrimer-Based Nanoaggregates for Potential Applications in Light-Driven Water Photoreduction. <i>Nanomaterials</i> , 2019 , 9,	5.4	2
160	On the sensitivity of alginate rheology to composition. <i>Soft Matter</i> , 2019 , 15, 159-165	3.6	2
159	Cationic Niosomes as Non-Viral Vehicles for Nucleic Acids: Challenges and Opportunities in Gene Delivery. <i>Pharmaceutics</i> , 2019 , 11,	6.4	40
158	5-(1-1,2,3-Triazol-5-yl)isophthalic Acid: A Versatile Ligand for the Synthesis of New Supramolecular Metallogels. <i>ACS Omega</i> , 2019 , 4, 2111-2117	3.9	3
157	Preliminary results of the ADENI-ICU trial: Analysis of decisions of refuse admission in intensive care units as a limitation of life support treatments; multi-center, prospective, observational study. <i>Medicina Intensiva</i> , 2019 , 43, 317-319	1.2	6
156	Understanding hydrogelation processes through molecular dynamics. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1652-1673	7.3	9
155	A Preliminary Comparative Study of the Baylis-Hillman Reaction in Ionic Liquid Solution and Gelled Ionic Liquid. <i>Macromolecular Symposia</i> , 2019 , 385, 1800193	0.8	2
154	Recent Strategies in Resveratrol Delivery Systems. <i>ChemPlusChem</i> , 2019 , 84, 951-973	2.8	23
153	Highly selective metallogel from 4-biphenylcarboxy capped diphenylalanine and FeCl ₃ . <i>CrystEngComm</i> , 2019 , 21, 4289-4297	3.3	5
152	On the Race for More Stretchable and Tough Hydrogels. <i>Gels</i> , 2019 , 5,	4.2	16
151	The Prospect of Photochemical Reactions in Confined Gel Media. <i>Accounts of Chemical Research</i> , 2019 , 52, 1865-1876	24.3	29
150	Polymer topology-controlled self-healing properties of polyelectrolyte hydrogels based on DABCO-containing aromatic ionenes. <i>European Polymer Journal</i> , 2019 , 115, 221-224	5.2	8
149	Niosomes encapsulated in biohydrogels for tunable delivery of phytoalexin resveratrol.. <i>RSC Advances</i> , 2019 , 9, 7601-7609	3.7	16
148	Dipolar Glass Polymers Containing Polarizable Groups as Dielectric Materials for Energy Storage Applications. A Minireview. <i>Polymers</i> , 2019 , 11,	4.5	31
147	Use of a bis-1,2,3-triazole gelator for the preparation of supramolecular metallogels and stabilization of gold nanoparticles. <i>New Journal of Chemistry</i> , 2019 , 43, 13850-13856	3.6	2
146	Expanding the limits of amide-triazole isosteric substitution in bisamide-based physical gels.. <i>RSC Advances</i> , 2019 , 9, 20841-20851	3.7	7

145	Alginate Hydrogels as Scaffolds and Delivery Systems to Repair the Damaged Spinal Cord. <i>Biotechnology Journal</i> , 2019 , 14, e1900275	5.6	19
144	Biopolymer/Glycopolyptide-Blended Scaffolds: Synthesis, Characterization and Cellular Interactions. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4837-4846	4.5	4
143	Novel 3D copper nanoparticles/chitosan/nanoporous alumina (CCSA) membranes with catalytic activity. Characterization and performance in the reduction of methylene blue. <i>Journal of Cleaner Production</i> , 2019 , 210, 811-820	10.3	13
142	Isosteric Substitution of 4 H-1,2,4-Triazole by 1 H-1,2,3-Triazole in Isophthalic Derivative Enabled Hydrogel Formation for Controlled Drug Delivery. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2963-2972	5.6	5
141	Wet-Chemical Etching of GaN: Underlying Mechanism of a Key Step in Blue and White LED Production. <i>ChemistrySelect</i> , 2018 , 3, 1480-1494	1.8	15
140	Release of small bioactive molecules from physical gels. <i>Chemical Society Reviews</i> , 2018 , 47, 1484-1515	58.5	110
139	Cationic ionene as an n-dopant agent of poly(3,4-ethylenedioxythiophene). <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9855-9864	3.6	6
138	In situ preparation of film and hydrogel bio-nanocomposites of chitosan/fluorescein-copper with catalytic activity. <i>Carbohydrate Polymers</i> , 2018 , 180, 200-208	10.3	18
137	Non-enzyme entrapping biohydrogels in catalysis. <i>Tetrahedron Letters</i> , 2018 , 59, 3293-3306	2	7
136	Isomeric cationic ionenes as n-dopant agents of poly(3,4-ethylenedioxythiophene) for in situ gelation. <i>Soft Matter</i> , 2018 , 14, 6374-6385	3.6	8
135	Synthesis, Characterization, and Self-Assembly of a Tetrathiafulvalene (TTF) Triglycyl Derivative. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 671	2.6	0
134	Optical and electronic activities of biobased films of chitosan/POTE containing gold nanoparticles: Experimental and theoretical analyses. <i>European Polymer Journal</i> , 2018 , 108, 235-249	5.2	6
133	Synthesis and supramolecular self-assembly of glutamic acid-based squaramides. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2065-2073	2.5	4
132	Cationic Polymers Bearing Quaternary Ammonium Groups-Catalyzed CO ₂ Fixation with Epoxides. <i>Topics in Catalysis</i> , 2018 , 61, 1545-1550	2.3	9
131	Photon Upconversion in Supramolecular Gels and Synthetic Application. <i>Current Organic Chemistry</i> , 2018 , 22, 2223-2228	1.7	4
130	Metal- and Oxidant-Free Photoinduced Aromatic Trifluoromethylation Performed in Aerated Gel Media: Determining the Effects on Yield and Selectivity. <i>Molecules</i> , 2018 , 24,	4.8	7
129	3D Printed Polymeric Hydrogels for Nerve Regeneration. <i>Polymers</i> , 2018 , 10,	4.5	22
128	Tradeoffs in Timber, Carbon, and Cash Flow under Alternative Management Systems for Douglas-Fir in the Pacific Northwest. <i>Forests</i> , 2018 , 9, 447	2.8	11

127	Urea Activation by an External Brønsted Acid: Breaking Self-Association and Tuning Catalytic Performance. <i>Catalysts</i> , 2018 , 8, 305	4	5
126	Air-Sensitive Photoredox Catalysis Performed under Aerobic Conditions in Gel Networks. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7928-7938	4.2	19
125	Protective Coatings for Aluminum Alloy Based on Hyperbranched 1,4-Polytriazoles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4231-4243	9.5	24
124	Boronic acid-modified alginate enables direct formation of injectable, self-healing and multistimuli-responsive hydrogels. <i>Chemical Communications</i> , 2017 , 53, 3350-3353	5.8	105
123	Targeted Drug Delivery in Covalent Organic Nanosheets (CONs) via Sequential Postsynthetic Modification. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4513-4520	16.4	349
122	Interplaying anions in a supramolecular metallohydrogel to form metal organic frameworks. <i>Chemical Communications</i> , 2017 , 53, 3705-3708	5.8	20
121	Unreactive Gel Networks as Versatile Confined Spaces for Enhanced Photoinduced Processes. <i>Macromolecular Symposia</i> , 2017 , 372, 87-101	0.8	1
120	Self-Organization of Electroactive Suspensions in Discharging Slurry Batteries: A Mesoscale Modeling Investigation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17882-17889	9.5	13
119	An experimental and theoretical comparative study of the entrapment and release of dexamethasone from micellar and vesicular aggregates of PAMAM-PCL dendrimers. <i>European Polymer Journal</i> , 2017 , 93, 507-520	5.2	7
118	Aromatic ionene topology and counterion-tuned gelation of acidic aqueous solutions. <i>Soft Matter</i> , 2017 , 13, 3031-3041	3.6	14
117	Glass/Metal Adhesive Polymers from Copper(I)-Catalyzed Azide/Alkyne Cycloaddition. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600579	2.6	6
116	Transfection of Antisense Oligonucleotides Mediated by Cationic Vesicles Based on Non-Ionic Surfactant and Polycations Bearing Quaternary Ammonium Moieties. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	7
115	Effect of the dietary level of cull pinto beans (<i>Phaseolus vulgaris</i>) on ruminal fermentation, kinetics, and digestibility of hair lambs. <i>Revista Brasileira De Zootecnia</i> , 2017 , 46, 405-412	1.2	1
114	Cationic nioplexes-in-polysaccharide-based hydrogels as versatile biodegradable hybrid materials to deliver nucleic acids. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7756-7767	7.3	10
113	Therapeutic hypothermia: Time for a moratorium. <i>Medicina Intensiva</i> , 2017 , 41, 425-428	1.2	3
112	Paradigm Shift for Preparing Versatile M-Free Gels from Unmodified Sodium Alginate. <i>Biomacromolecules</i> , 2017 , 18, 2967-2979	6.9	25
111	Ultrasonication-enhanced gelation properties of a versatile amphiphilic formamidinium-based gelator exhibiting both organogelation and hydrogelation abilities. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22981-22994	3.6	2
110	Anregen und tauschen. <i>Nachrichten Aus Der Chemie</i> , 2017 , 65, 1100-1105	0.1	

109	Catalytic Macroporous Biohydrogels Made of Ferritin-Encapsulated Gold Nanoparticles. <i>ChemPlusChem</i> , 2017 , 82, 225-232	2.8	3
108	Self-healing alginate-gelatin biohydrogels based on dynamic covalent chemistry: elucidation of key parameters. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 73-79	7.8	57
107	Antimicrobial and Hemolytic Studies of a Series of Polycations Bearing Quaternary Ammonium Moieties: Structural and Topological Effects. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
106	Dietary level of cull pinto beans on nutrient digestibility and animal performance of finishing hair lambs. <i>Revista Brasileira De Zootecnia</i> , 2017 , 46, 400-404	1.2	1
105	Phenylalanine and derivatives as versatile low-molecular-weight gelators: design, structure and tailored function. <i>Biomaterials Science</i> , 2017 , 6, 38-59	7.4	50
104	Phase-Transfer Catalysis with Ionene Polymers. <i>ChemistrySelect</i> , 2016 , 1, 4030-4033	1.8	6
103	Spectroscopic Characterization of Azo Dyes Aggregation Induced by DABCO-Based Ionene Polymers and Dye Removal Efficiency as a Function of Ionene Structure. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30908-30919	9.5	22
102	Kleben mit Klick. <i>Nachrichten Aus Der Chemie</i> , 2016 , 64, 122-126	0.1	
101	Biodegradable liposome-encapsulated hydrogels for biomedical applications: a marriage of convenience. <i>Biomaterials Science</i> , 2016 , 4, 555-74	7.4	96
100	Metal-organic frameworks (MOFs) bring new life to hydrogen-bonding organocatalysts in confined spaces. <i>CrystEngComm</i> , 2016 , 18, 3985-3995	3.3	42
99	Towards sustainable solid-state supercapacitors: electroactive conducting polymers combined with biohydrogels. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1792-1805	13	79
98	Keratin Protein-Catalyzed Nitroaldol (Henry) Reaction and Comparison with Other Biopolymers. <i>Molecules</i> , 2016 , 21,	4.8	7
97	Fluoride Anion Recognition by a Multifunctional Urea Derivative: An Experimental and Theoretical Study. <i>Sensors</i> , 2016 , 16,	3.8	9
96	Gadolinium(III)-Based Porous Luminescent Metal-Organic Frameworks for Bimodal Imaging. <i>ChemPlusChem</i> , 2016 , 81, 728-732	2.8	27
95	Non-covalent incorporation of some substituted metal phthalocyanines into different gel networks and the effects on the gel properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 1390-1400	1.8	1
94	Supramolecular Metallogel That Imparts Self-Healing Properties to Other Gel Networks. <i>Chemistry of Materials</i> , 2016 , 28, 3210-3217	9.6	102
93	Self-assembled fibrillar networks of a multifaceted chiral squaramide: supramolecular multistimuli-responsive algogels. <i>Soft Matter</i> , 2016 , 12, 4361-74	3.6	31
92	Nioplexes encapsulated in supramolecular hybrid biohydrogels as versatile delivery platforms for nucleic acids. <i>RSC Advances</i> , 2016 , 6, 39688-39699	3.7	10

91	Current status and challenges of biohydrogels for applications as supercapacitors and secondary batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8952-8968	13	62
90	Supramolecular metallohydrogels with bulk self-healing properties prepared by in situ metal complexation. <i>Chemical Communications</i> , 2016 , 52, 13068-13081	5.8	66
89	Regulatory parameters of self-healing alginate hydrogel networks prepared via mussel-inspired dynamic chemistry. <i>New Journal of Chemistry</i> , 2016 , 40, 8493-8501	3.6	26
88	Non-invasive and continuous monitoring of the sol-gel phase transition of supramolecular gels using a fast (open-ended coaxial) microwave sensor. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 6212-6218	3.6	8
87	Supramolecular phase-selective gelation by peptides bearing side-chain azobenzenes: effect of ultrasound and potential for dye removal and oil spill remediation. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 11766-84	6.3	29
86	Transformation of rigid metal-organic frameworks into flexible gel networks and vice versa. <i>CrystEngComm</i> , 2015 , 17, 7978-7985	3.3	10
85	A DAC tartrate-based gelator system featuring markedly improved gelation properties: enhancing lifetime and functionality of gel networks. <i>CrystEngComm</i> , 2015 , 17, 8021-8030	3.3	5
84	Intragel photoreduction of aryl halides by green-to-blue upconversion under aerobic conditions. <i>Chemical Communications</i> , 2015 , 51, 16848-51	5.8	66
83	Amide-triazole isosteric substitution for tuning self-assembly and incorporating new functions into soft supramolecular materials. <i>Chemical Communications</i> , 2015 , 51, 5294-7	5.8	40
82	Supramolekulare Gele: einfach und funktionell. <i>Nachrichten Aus Der Chemie</i> , 2015 , 63, 899-903	0.1	
81	Click Chemistry in Materials Synthesis: The Beginning. <i>Macromolecular Symposia</i> , 2015 , 358, 10-20	0.8	6
80	Magnetic Gel Composites for Hyperthermia Cancer Therapy. <i>Gels</i> , 2015 , 1, 135-161	4.2	38
79	DNA-catalyzed Henry reaction in pure water and the striking influence of organic buffer systems. <i>Molecules</i> , 2015 , 20, 4136-47	4.8	7
78	Photophysical and photochemical processes in 3D self-assembled gels as confined microenvironments. <i>Soft Matter</i> , 2015 , 11, 5180-7	3.6	26
77	Chiral supramolecular nanoparticles: The study of chiral surface modification of silver nanoparticles by cysteine and its derivatives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 470, 142-148	5.1	12
76	Evaluation of the nitroaldol reaction in the presence of metal ion-crosslinked alginates. <i>New Journal of Chemistry</i> , 2015 , 39, 2306-2315	3.6	55
75	Alkyl cysteine-coated gold nanoparticles: effect of C ₁₂ tetrasubstitution on colloidal stability. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	4
74	Improved metal-adhesive polymers from copper(I)-catalyzed azide-alkyne cycloaddition. <i>Chemistry - A European Journal</i> , 2014 , 20, 10710-9	4.8	13

73	Amino acid-based multiresponsive low-molecular weight metallohydrogels with load-bearing and rapid self-healing abilities. <i>Chemical Communications</i> , 2014 , 50, 3004-6	5.8	83
72	Homogeneous photochemical water oxidation by biuret-modified Fe-TAML: evidence of Fe(V)(O) intermediate. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12273-82	16.4	165
71	Gelatin Protein-Mediated Direct Aldol Reaction. <i>Helvetica Chimica Acta</i> , 2014 , 97, 574-580	2	6
70	Investigation of C-C Bond Formation Mediated by Bombyx mori Silk Fibroin Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1510-1517	8.3	13
69	Exploiting molecular self-assembly: from urea-based organocatalysts to multifunctional supramolecular gels. <i>Chemistry - A European Journal</i> , 2014 , 20, 10720-31	4.8	45
68	Crossover experiments applied to network formation reactions: improved strategies for counting elastically inactive molecular defects in PEG gels and hyperbranched polymers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9464-70	16.4	70
67	Highly stable covalent organic framework-Au nanoparticles hybrids for enhanced activity for nitrophenol reduction. <i>Chemical Communications</i> , 2014 , 50, 3169-72	5.8	263
66	Mechanical downsizing of a gadolinium(III)-based metal-organic framework for anticancer drug delivery. <i>Chemistry - A European Journal</i> , 2014 , 20, 10514-8	4.8	185
65	Dissolvable metallohydrogels for controlled release: evidence of a kinetic supramolecular gel phase intermediate. <i>Chemical Communications</i> , 2014 , 50, 7032-5	5.8	36
64	Photo-Responsive Hydrogels for Adaptive Membranes 2014 , 21-51		
63	Synergistic Computational-Experimental Approach to Improve Ionene Polymer-Based Functional Hydrogels. <i>Advanced Functional Materials</i> , 2014 , 24, 4893-4904	15.6	25
62	A covalent organic framework-cadmium sulfide hybrid as a prototype photocatalyst for visible-light-driven hydrogen production. <i>Chemistry - A European Journal</i> , 2014 , 20, 15961-5	4.8	155
61	Multifunctional and robust covalent organic framework-nanoparticle hybrids. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7944-7952	13	158
60	Proton-conducting supramolecular metallogels from the lowest molecular weight assembler ligand: a quote for simplicity. <i>Chemistry - A European Journal</i> , 2013 , 19, 9562-8	4.8	62
59	Organophotocatalysis in nanostructured soft gel materials as tunable reaction vessels: comparison with homogeneous and micellar solutions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4577	13	33
58	C-C Bond formation catalyzed by natural gelatin and collagen proteins. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1111-8	2.5	22
57	Multistimuli-responsive supramolecular organogels formed by low-molecular-weight peptides bearing side-chain azobenzene moieties. <i>Chemistry - A European Journal</i> , 2013 , 19, 8861-74	4.8	62
56	Hydrolytic Conversion of a Metal-Organic Polyhedron into a Metal-Organic Framework. <i>Angewandte Chemie</i> , 2013 , 125, 14000-14004	3.6	26

55	Hydrolytic conversion of a metal-organic polyhedron into a metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13755-9	16.4	60
54	Fine-tuning the balance between crystallization and gelation and enhancement of CO ₂ uptake on functionalized calcium based MOFs and metallogels. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14951		68
53	Envelope Amplifier Based on Switching Capacitors for High-Efficiency RF Amplifiers. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1359-1368	7.2	32
52	Critical assessment of the efficiency of chitosan biohydrogel beads as recyclable and heterogeneous organocatalyst for C=C bond formation. <i>Green Chemistry</i> , 2012 , 14, 378-392	10	91
51	Competition between gelation and crystallisation of a peculiar multicomponent liquid system based on ammonium salts. <i>Soft Matter</i> , 2012 , 8, 3446	3.6	41
50	Neuroendocrine tumor of the pancreas in a patient with tuberous sclerosis: a case report and review of the literature. <i>International Journal of Surgical Pathology</i> , 2012 , 20, 390-5	1.2	12
49	Crystal structure of (2S, 4R)-2-benzyl 1-tert-butyl 4-(tosyloxy)pyrrolidine-1,2-dicarboxylate, C ₂₄ H ₂₉ NO ₇ S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2012 , 227, 361-362	0.2	1
48	Hybrid Bioactive Hydrogels Containing Single-Walled Carbon Nanotubes Covalently Integrated via Strain-Promoted Azide-Alkyne Cycloaddition. <i>Nanoscience and Nanotechnology - Asia</i> , 2012 , 2, 200-209	0.7	2
47	Tailoring drug release profile of low-molecular-weight hydrogels by supramolecular co-assembly and thiol-ene orthogonal coupling. <i>Journal of Materials Chemistry</i> , 2011 , 21, 641-644		28
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