

Sonbinh T Nguyen

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.

285
papers

72,917
citations

89
h-index

269
g-index

310
ext. papers

77,297
ext. citations

9.8
avg, IF

7.79
L-index

#	Paper	IF	Citations
285	Improving and stabilizing fluorinated aryl borane catalysts for epoxide ring-opening. <i>Applied Catalysis A: General</i> , 2022 , 636, 118601	5.1	0
284	Transport Diffusion of Linear Alkanes (C-C) through Thin Films of ZIF-8 as Assessed by Quartz Crystal Microgravimetry. <i>Langmuir</i> , 2021 , 37, 9405-9414	4	2
283	Atomistic mechanisms of adhesion and shear strength in graphene oxide-polymer interfaces. <i>Journal of the Mechanics and Physics of Solids</i> , 2021 , 156, 104578	5	0
282	Visualizing Transparent 2D Sheets by Fluorescence Quenching Microscopy. <i>Small Methods</i> , 2020 , 4, 2000026	10.6	4
281	Template-Assisted, Seed-Mediated Synthesis of Hierarchically Mesoporous Core-Shell UiO-66: Enhancing Adsorption Capacity and Catalytic Activity through Iterative Growth. <i>Chemistry of Materials</i> , 2020 , 32, 4292-4302	9.6	12
280	Promoter Effects on Catalyst Selectivity and Stability for Propylene Partial Oxidation to Acrolein. <i>Catalysis Letters</i> , 2020 , 150, 826-836	2.8	1
279	Assembly of Short-Chain Amphiphilic Homopolymers into Well-Defined Particles. <i>Langmuir</i> , 2020 , 36, 4548-4555	4	4
278	Enhancing the Regioselectivity of B(C ₆ F ₅) ₃ -Catalyzed Epoxide Alcoholysis Reactions Using Hydrogen-Bond Acceptors. <i>ACS Catalysis</i> , 2019 , 9, 9663-9670	13.1	11
277	Elucidating the mechanism of the UiO-66-catalyzed sulfide oxidation: activity and selectivity enhancements through changes in the node coordination environment and solvent. <i>Catalysis Science and Technology</i> , 2019 , 9, 327-335	5.5	27
276	Supramolecular Assembly of High-Density Lipoprotein Mimetic Nanoparticles Using Lipid-Conjugated Core Scaffolds. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9753-9757	16.4	18
275	Nanoscale toughening of ultrathin graphene oxide-polymer composites: mechanochemical insights into hydrogen-bonding/van der Waals interactions, polymer chain alignment, and steric parameters. <i>Nanoscale</i> , 2019 , 11, 12305-12316	7.7	11
274	Matching the Activity of Homogeneous Sulfonic Acids: The Fructose-to-HMF Conversion Catalyzed by Hierarchically Porous Sulfonic-Acid-Functionalized Porous Organic Polymer (POP) Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8126-8135	8.3	29
273	Stiffening of graphene oxide films by soft porous sheets. <i>Nature Communications</i> , 2019 , 10, 3677	17.4	23
272	Atomically Thin Polymer Layer Enhances Toughness of Graphene Oxide Monolayers. <i>Matter</i> , 2019 , 1, 369-388	12.7	16
271	Strong Influence of the Nucleophile on the Rate and Selectivity of 1,2-Epoxyoctane Ring Opening Catalyzed by Tris(pentafluorophenyl)borane, B(C ₆ F ₅) ₃ . <i>ACS Catalysis</i> , 2019 , 9, 11589-11602	13.1	8
270	Highly Stable, Ultrasmall Polymer-Grafted Nanobins (usPGNs) with Stimuli-Responsive Capability. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1133-1139	6.4	2
269	The Role of Water in Mediating Interfacial Adhesion and Shear Strength in Graphene Oxide. <i>ACS Nano</i> , 2018 , 12, 6089-6099	16.7	45

268	Formulation and validation of a reduced order model of 2D materials exhibiting a two-phase microstructure as applied to graphene oxide. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 112, 66-88	5	17
267	Enhancing the Stability and Immunomodulatory Activity of Liposomal Spherical Nucleic Acids through Lipid-Tail DNA Modifications. <i>Small</i> , 2018 , 14, 1702909	11	31
266	Mechanism of Regioselective Ring-Opening Reactions of 1,2-Epoxyoctane Catalyzed by Tris(pentafluorophenyl)borane: A Combined Experimental, Density Functional Theory, and Microkinetic Study. <i>ACS Catalysis</i> , 2018 , 8, 11119-11133	13.1	17
265	Cross-Linked Micellar Spherical Nucleic Acids from Thermoresponsive Templates. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4278-4281	16.4	53
264	Rendering High Surface Area, Mesoporous Metal-Organic Frameworks Electronically Conductive. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12584-12591	9.5	78
263	Drug-Loaded Polymeric Spherical Nucleic Acids: Enhancing Colloidal Stability and Cellular Uptake of Polymeric Nanoparticles through DNA Surface-Functionalization. <i>Biomacromolecules</i> , 2017 , 18, 483-489	6.9	35
262	Supported Aluminum Catalysts for Olefin Hydrogenation. <i>ACS Catalysis</i> , 2017 , 7, 689-694	13.1	19
261	Triblock peptide-oligonucleotide chimeras (POCs): programmable biomolecules for the assembly of morphologically tunable and responsive hybrid materials. <i>Chemical Communications</i> , 2017 , 53, 12221-12224	5.8	5
260	Coupling Molecular and Nanoparticle Catalysts on Single Metal-Organic Framework Microcrystals for the Tandem Reaction of H ₂ O ₂ Generation and Selective Alkene Oxidation. <i>ACS Catalysis</i> , 2017 , 7, 6691-6698	13.1	24
259	Thermal Conductivity of ZIF-8 Thin-Film under Ambient Gas Pressure. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28139-28143	9.5	28
258	The competing effects of core rigidity and linker flexibility in the nanoassembly of trivalent small molecule-DNA hybrids (SMDHs)-a synergistic experimental-modeling study. <i>Nanoscale</i> , 2017 , 9, 12652-12663	7.7	3
257	The dual capture of As and As by UiO-66 and analogues. <i>Chemical Science</i> , 2016 , 7, 6492-6498	9.4	132
256	The Significance of Multivalent Bonding Motifs and "Bond Order" in DNA-Directed Nanoparticle Crystallization. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6119-22	16.4	18
255	Molecular-Level Engineering of Adhesion in Carbon Nanomaterial Interfaces. <i>Nano Letters</i> , 2015 , 15, 4504-16	11.5	21
254	Entropy-Driven Crystallization Behavior in DNA-Mediated Nanoparticle Assembly. <i>Nano Letters</i> , 2015 , 15, 5545-51	11.5	27
253	Comparative study of titanium-functionalized UiO-66: support effect on the oxidation of cyclohexene using hydrogen peroxide. <i>Catalysis Science and Technology</i> , 2015 , 5, 4444-4451	5.5	70
252	Hierarchically porous organic polymers: highly enhanced gas uptake and transport through templated synthesis. <i>Chemical Science</i> , 2015 , 6, 384-389	9.4	61
251	Complete Double Epoxidation of Divinylbenzene Using Mn(porphyrin)-Based Porous Organic Polymers. <i>ACS Catalysis</i> , 2015 , 5, 4859-4866	13.1	52

250	Directed Assembly of Nucleic Acid-Based Polymeric Nanoparticles from Molecular Tetravalent Cores. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8184-91	16.4	25
249	Gas-Phase Dimerization of Ethylene under Mild Conditions Catalyzed by MOF Materials Containing (bpy)NiII Complexes. <i>ACS Catalysis</i> , 2015 , 5, 6713-6718	13.1	109
248	Enhancing DNA-Mediated Assemblies of Supramolecular Cage Dimers through Tuning Core Flexibility and DNA Length--A Combined Experimental-Modeling Study. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13381-8	16.4	14
247	Intramolecular ring-opening from a CO-derived nucleophile as the origin of selectivity for 5-substituted oxazolidinone from the (salen)Cr-catalyzed [aziridine + CO] coupling. <i>Chemical Science</i> , 2015 , 6, 1293-1300	9.4	38
246	Plasticity and ductility in graphene oxide through a mechanochemically induced damage tolerance mechanism. <i>Nature Communications</i> , 2015 , 6, 8029	17.4	72
245	Synthesis and Catalytic Hydrogenation Reactivity of a Chromium Catecholate Porous Organic Polymer. <i>Organometallics</i> , 2015 , 34, 947-952	3.8	22
244	Epoxidation of the Commercially Relevant Divinylbenzene with [tetrakis-(Pentafluorophenyl)porphyrinato]iron(III) Chloride and Its Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 922-927	3.9	9
243	Efficient Carbene and Carbyne Formation in Molybdenum(0) and Tungsten(0) Dinitrogen Complexes. <i>Organometallics</i> , 2014 , 33, 1120-1125	3.8	5
242	High propylene/propane adsorption selectivity in a copper(catecholate)-decorated porous organic polymer. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 299-302	13	40
241	Key factors limiting carbon nanotube yarn strength: exploring processing-structure-property relationships. <i>ACS Nano</i> , 2014 , 8, 11454-66	16.7	56
240	Metal-Organic Frameworks Containing (Alkynyl)Gold Functionalities: A Comparative Evaluation of Solvent-Assisted Linker Exchange, de Novo Synthesis, and Post-synthesis Modification. <i>Crystal Growth and Design</i> , 2014 , 14, 6320-6324	3.5	21
239	A computational study of the mechanism of the [(salen)Cr + DMAP]-catalyzed formation of cyclic carbonates from CO ₂ and epoxide. <i>Chemical Communications</i> , 2014 , 50, 2676-8	5.8	56
238	A dual approach to tuning the porosity of porous organic polymers: controlling the porogen size and supercritical CO ₂ processing. <i>Chemical Science</i> , 2014 , 5, 782-787	9.4	22
237	Vanadium-Node-Functionalized UiO-66: A Thermally Stable MOF-Supported Catalyst for the Gas-Phase Oxidative Dehydrogenation of Cyclohexene. <i>ACS Catalysis</i> , 2014 , 4, 2496-2500	13.1	174
236	Importance of the DNA "bond" in programmable nanoparticle crystallization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14995-5000	11.5	44
235	Discovery of highly selective alkyne semihydrogenation catalysts based on first-row transition-metallated porous organic polymers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12055-8	16.4	44
234	Hydrophobic organic linkers in the self-assembly of small molecule-DNA hybrid dimers: a computational-experimental study of the role of linkage direction in product distributions and stabilities. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 2366-76	3.4	10
233	Inherent carbonaceous impurities on arc-discharge multiwalled carbon nanotubes and their implications for nanoscale interfaces. <i>Carbon</i> , 2014 , 80, 1-11	10.4	13

232	Rhodium Catechol Containing Porous Organic Polymers: Defined Catalysis for Single-Site and Supported Nanoparticulate Materials. <i>Organometallics</i> , 2014 , 33, 2517-2522	3.8	19
231	Liposomal spherical nucleic acids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9866-9	16.4	123
230	Computational Study of Propylene and Propane Binding in Metal-Organic Frameworks Containing Highly Exposed Cu ⁺ or Ag ⁺ Cations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9086-9092	3.8	14
229	Facile one-step solid-phase synthesis of multitopic organic-DNA hybrids via click-chemistry. <i>Chemical Science</i> , 2014 , 5, 1091-1096	9.4	47
228	Discovery of Highly Selective Alkyne Semihydrogenation Catalysts Based on First-Row Transition-Metallated Porous Organic Polymers. <i>Angewandte Chemie</i> , 2014 , 126, 12251-12254	3.6	10
227	Simple and compelling biomimetic metal-organic framework catalyst for the degradation of nerve agent simulants. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 497-501	16.4	306
226	[(Salcen)Cr(III) + Lewis base]-catalyzed synthesis of N-aryl-substituted oxazolidinones from epoxides and aryl isocyanates. <i>Chemical Communications</i> , 2014 , 50, 15187-90	5.8	39
225	Defect-Tolerant Nanocomposites through Bio-Inspired Stiffness Modulation. <i>Advanced Functional Materials</i> , 2014 , 24, 2883-2891	15.6	23
224	Simple and Compelling Biomimetic Metal-Organic Framework Catalyst for the Degradation of Nerve Agent Simulants. <i>Angewandte Chemie</i> , 2014 , 126, 507-511	3.6	70
223	Design, Synthesis, Characterization, and Catalytic Properties of a Large-Pore Metal-Organic Framework Possessing Single-Site Vanadyl(monocatecholate) Moieties. <i>Crystal Growth and Design</i> , 2013 , 13, 3528-3534	3.5	39
222	Hierarchical Structure and Properties of Graphene Oxide Papers. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013 , 80,	2.7	10
221	Smart Nanoscale Drug Delivery Platforms from Stimuli-Responsive Polymers and Liposomes. <i>Macromolecules</i> , 2013 , 46, 9169-9180	5.5	102
220	Acid-degradable polymer-caged lipoplex (PCL) platform for siRNA delivery: facile cellular triggered release of siRNA. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17655-8	16.4	62
219	Enhanced catalytic activity through the tuning of micropore environment and supercritical CO ₂ processing: Al(porphyrin)-based porous organic polymers for the degradation of a nerve agent simulant. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11720-3	16.4	134
218	The role of viscosity on polymer ink transport in dip-pen nanolithography. <i>Chemical Science</i> , 2013 , 4, 2093-2094	4.0	40
217	Extraordinary improvement of the graphitic structure of continuous carbon nanofibers templated with double wall carbon nanotubes. <i>ACS Nano</i> , 2013 , 7, 126-42	16.7	70
216	Removal of airborne toxic chemicals by porous organic polymers containing metal-catecholates. <i>Chemical Communications</i> , 2013 , 49, 2995-7	5.8	29
215	Bio-inspired carbon nanotube-polymer composite yarns with hydrogen bond-mediated lateral interactions. <i>ACS Nano</i> , 2013 , 7, 3434-46	16.7	81

214	Atomistic Investigation of Load Transfer Between DWNT Bundles [Crosslinked] by PMMA Oligomers. <i>Advanced Functional Materials</i> , 2013 , 23, 1883-1892	15.6	40
213	Catalytic Solvolytic and Hydrolytic Degradation of Toxic Methyl Paraoxon with La(catecholate)-Functionalized Porous Organic Polymers. <i>ACS Catalysis</i> , 2013 , 3, 1454-1459	13.1	65
212	Stabilizing unstable species through single-site isolation: a catalytically active TaV trialkyl in a porous organic polymer. <i>Chemical Science</i> , 2013 , 4, 2483	9.4	46
211	Tuning the Hydrophobicity of Zinc Dipyridyl Paddlewheel Metal-Organic Frameworks for Selective Sorption. <i>Crystal Growth and Design</i> , 2013 , 13, 2938-2942	3.5	20
210	Improved Graphitic Structure of Continuous Carbon Nanofibers via Graphene Oxide Templating. <i>Advanced Functional Materials</i> , 2013 , 23, 5763-5770	15.6	65
209	Vapor-phase metalation by atomic layer deposition in a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10294-7	16.4	659
208	Accessing functionalized porous aromatic frameworks (PAFs) through a de novo approach. <i>CrystEngComm</i> , 2013 , 15, 1515-1519	3.3	66
207	pH-Responsive Theranostic Polymer-Caged Nanobins (PCNs): Enhanced Cytotoxicity and MRI Contrast by Her2-Targeting. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 770-774	3.1	10
206	Carbon Nanotubes: Atomistic Investigation of Load Transfer Between DWNT Bundles [Crosslinked] by PMMA Oligomers (Adv. Funct. Mater. 15/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 1976-1976	15.6	
205	Graphene: Improved Graphitic Structure of Continuous Carbon Nanofibers via Graphene Oxide Templating (Adv. Funct. Mater. 46/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 5762-5762	15.6	2
204	High propene/propane selectivity in isostructural metal-organic frameworks with high densities of open metal sites. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1857-60	16.4	348
203	Tuning the mechanical properties of graphene oxide paper and its associated polymer nanocomposites by controlling cooperative intersheet hydrogen bonding. <i>ACS Nano</i> , 2012 , 6, 2008-19	16.7	361
202	Cyclic metalloporphyrin dimers and tetramers: tunable shape-selective hosts for fullerenes. <i>Dalton Transactions</i> , 2012 , 41, 12156-62	4.3	10
201	Enhanced catalytic decomposition of a phosphate triester by modularly accessible bimetallic porphyrin dyads and dimers. <i>Chemical Communications</i> , 2012 , 48, 4178-80	5.8	36
200	Arylsilanated SiO _x Surfaces for Mild and Simple Two-Step Click Functionalization with Small Molecules and Oligonucleotides. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19886-19892	3.8	16
199	Zinc Ion-Hydroxyl Interactions at Undecanol-Functionalized Fused Silica/Water Interfaces Using the Eisenthal (B) Technique. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7016-7020	3.8	13
198	Synthesis and Metalation of Catechol-Functionalized Porous Organic Polymers. <i>Chemistry of Materials</i> , 2012 , 24, 1292-1296	9.6	89
197	One-pot synthesis of Mo(0) dinitrogen complexes possessing monodentate and multidentate phosphine ligands. <i>Inorganic Chemistry</i> , 2012 , 51, 3051-8	5.1	11

196	Metal-organic framework materials with ultrahigh surface areas: is the sky the limit?. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15016-21	16.4	1210
195	Conductivity through Polymer Electrolytes and Its Implications in Lithium-Ion Batteries: Real-World Application of Periodic Trends. <i>Journal of Chemical Education</i> , 2012 , 89, 1442-1446	2.4	12
194	Catalytically active supramolecular porphyrin boxes: acceleration of the methanolysis of phosphate triesters via a combination of increased local nucleophilicity and reactant encapsulation. <i>Chemical Science</i> , 2012 , 3, 1938	9.4	40
193	Designing higher surface area metal-organic frameworks: are triple bonds better than phenyls?. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9860-3	16.4	170
192	Enhancing the melting properties of small molecule-DNA hybrids through designed hydrophobic interactions: an experimental-computational study. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7450-8	16.4	30
191	Improved anti-proliferative effect of doxorubicin-containing polymer nanoparticles upon surface modification with cationic groups. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25463-25470		12
190	Two Large-Pore Metal-Organic Frameworks Derived from a Single Polytopic Strut. <i>Crystal Growth and Design</i> , 2012 , 12, 1075-1080	3.5	31
189	Experimental-computational study of shear interactions within double-walled carbon nanotube bundles. <i>Nano Letters</i> , 2012 , 12, 732-42	11.5	49
188	Exfoliation and reassembly of cobalt oxide nanosheets into a reversible lithium-ion battery cathode. <i>Small</i> , 2012 , 8, 1110-6	11	31
187	Tunable biomolecular interaction and fluorescence quenching ability of graphene oxide: application to "turn-on" DNA sensing in biological media. <i>Small</i> , 2012 , 8, 2469-76	11	54
186	Successful stabilization of graphene oxide in electrolyte solutions: enhancement of biofunctionalization and cellular uptake. <i>ACS Nano</i> , 2012 , 6, 63-73	16.7	203
185	A catalytically active vanadyl(catecholate)-decorated metal organic framework via post-synthesis modifications. <i>CrystEngComm</i> , 2012 , 14, 4115	3.3	53
184	High Propene/Propane Selectivity in Isostructural Metal-Organic Frameworks with High Densities of Open Metal Sites. <i>Angewandte Chemie</i> , 2012 , 124, 1893-1896	3.6	59
183	Additive-free hydrogelation of graphene oxide by ultrasonication. <i>Carbon</i> , 2012 , 50, 3399-3406	10.4	115
182	Chemically active reduced graphene oxide with tunable C/O ratios. <i>ACS Nano</i> , 2011 , 5, 4380-91	16.7	295
181	Evolution of order during vacuum-assisted self-assembly of graphene oxide paper and associated polymer nanocomposites. <i>ACS Nano</i> , 2011 , 5, 6601-9	16.7	140
180	Light-harvesting metal-organic frameworks (MOFs): efficient strut-to-strut energy transfer in bodipy and porphyrin-based MOFs. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15858-61	16.4	622
179	Luminescent infinite coordination polymer materials from metal-terpyridine ligation. <i>Dalton Transactions</i> , 2011 , 40, 9189-93	4.3	22

178	Porous Organic Polymers in Catalysis: Opportunities and Challenges. <i>ACS Catalysis</i> , 2011 , 1, 819-835	13.1	699
177	Aclick-basedporous organic polymer from tetrahedral building blocks. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1700		139
176	Post-synthesis modification of a metal-organic framework to form metallosalen-containing MOF materials. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13252-5	16.4	219
175	Active-site-accessible, porphyrinic metal-organic framework materials. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5652-5	16.4	378
174	Selective surface and near-surface modification of a noncatenated, catalytically active metal-organic framework material based on Mn(salen) struts. <i>Inorganic Chemistry</i> , 2011 , 50, 3174-6	5.1	105
173	Bio-inspired borate cross-linking in ultra-stiff graphene oxide thin films. <i>Advanced Materials</i> , 2011 , 23, 3842-6	24	245
172	Synthesis of catalytically active porous organic polymers from metalloporphyrin building blocks. <i>Chemical Science</i> , 2011 , 2, 686	9.4	157
171	Kinetic separation of propene and propane in metal-organic frameworks: controlling diffusion rates in plate-shaped crystals via tuning of pore apertures and crystallite aspect ratios. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5228-31	16.4	211
170	Triggered release of pharmacophores from [Ni(HAsO)]-loaded polymer-caged nanobin enhances pro-apoptotic activity: a combined experimental and theoretical study. <i>ACS Nano</i> , 2011 , 5, 3961-9	16.7	45
169	Improved Rate Capability in a High-Capacity Layered Cathode Material via Thermal Reduction. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, A126		63
168	De novo synthesis of a metal-organic framework material featuring ultrahigh surface area and gas storage capacities. <i>Nature Chemistry</i> , 2010 , 2, 944-8	17.6	1350
167	Systematic Post-assembly Modification of Graphene Oxide Paper with Primary Alkylamines. <i>Chemistry of Materials</i> , 2010 , 22, 4153-4157	9.6	156
166	Behavior of gradient copolymers at liquid/liquid interfaces. <i>Langmuir</i> , 2010 , 26, 3261-7	4	29
165	Non-Annealed Graphene Paper as a Binder-Free Anode for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12800-12804	3.8	223
164	Imine-Linked Microporous Polymer Organic Frameworks. <i>Chemistry of Materials</i> , 2010 , 22, 4974-4979	9.6	198
163	Cooperative melting in caged dimers with only two DNA duplexes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17068-70	16.4	39
162	Biological evaluation of pH-responsive polymer-caged nanobins for breast cancer therapy. <i>ACS Nano</i> , 2010 , 4, 4971-8	16.7	65
161	Zinc Interactions with Glucosamine-Functionalized Fused Silica/Water Interfaces. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19483-19488	3.8	20

160	Polymer-caged nanobins for synergistic cisplatin-doxorubicin combination chemotherapy. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17130-8	16.4	173
159	"Clickable" polymer nanoparticles: a modular scaffold for surface functionalization. <i>Chemical Communications</i> , 2010 , 46, 5277-9	5.8	37
158	Building conjugated organic structures on Si(111) surfaces via microwave-assisted Sonogashira coupling. <i>Langmuir</i> , 2010 , 26, 3771-3	4	15
157	High-Nanofiller-Content Graphene Oxide Polymer Nanocomposites via Vacuum-Assisted Self-Assembly. <i>Advanced Functional Materials</i> , 2010 , 20, 3322-3329	15.6	434
156	Electrically conductive "alkylated" graphene paper via chemical reduction of amine-functionalized graphene oxide paper. <i>Advanced Materials</i> , 2010 , 22, 892-6	24	524
155	Crumpled graphene nanosheets as highly effective barrier property enhancers. <i>Advanced Materials</i> , 2010 , 22, 4759-63	24	374
154	Modular Polymer-Caged Nanobins as a Theranostic Platform with Enhanced Magnetic Resonance Relaxivity and pH-Responsive Drug Release. <i>Angewandte Chemie</i> , 2010 , 122, 10156-10160	3.6	10
153	Modular polymer-caged nanobins as a theranostic platform with enhanced magnetic resonance relaxivity and pH-responsive drug release. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9960-4	16.4	51
152	Graphene oxide, highly reduced graphene oxide, and graphene: versatile building blocks for carbon-based materials. <i>Small</i> , 2010 , 6, 711-23	11	2103
151	Microkinetic analysis of the epoxidation of styrene catalyzed by (porphyrin)Mn encapsulated in molecular squares. <i>Journal of Catalysis</i> , 2009 , 266, 145-155	7.3	12
150	Highly Cooperative Behavior of Peptide Nucleic Acid-Linked DNA-Modified Gold-Nanoparticle and Comb-Polymer Aggregates. <i>Advanced Materials</i> , 2009 , 21, 706-709	24	40
149	Metal-organic framework materials as catalysts. <i>Chemical Society Reviews</i> , 2009 , 38, 1450-9	58.5	6514
148	Atomic-scale X-ray structural analysis of self-assembled monolayers on Silicon. <i>European Physical Journal: Special Topics</i> , 2009 , 167, 33-39	2.3	5
147	Glass Transition Breadths and Composition Profiles of Weakly, Moderately, and Strongly Segregating Gradient Copolymers: Experimental Results and Calculations from Self-Consistent Mean-Field Theory. <i>Macromolecules</i> , 2009 , 42, 7863-7876	5.5	82
146	DNA at aqueous/solid interfaces: chirality-based detection via second harmonic generation activity. <i>Journal of the American Chemical Society</i> , 2009 , 131, 844-8	16.4	33
145	Probing Surface-Adlayer Conjugation on Organic-Modified Si(111) Surfaces with Microscopy, Scattering, Spectroscopy, and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2919-2927 ¹⁰	3.8	10
144	A catalytically active, permanently microporous MOF with metalloporphyrin struts. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4204-5	16.4	490
143	Probing exciton localization/delocalization: transient dc photoconductivity studies of excited states of symmetrical porphyrin monomers, oligomers, and supramolecular assemblies. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 8182-6	2.8	8

142	A Zn-based, pillared paddlewheel MOF containing free carboxylic acids via covalent post-synthesis elaboration. <i>Chemical Communications</i> , 2009 , 3720-2	5.8	142
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