

Kenneth S Suslick

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.

332
papers

38,028
citations

98
h-index

188
g-index

363
ext. papers

40,921
ext. citations

11.2
avg, IF

7.78
L-index

#	Paper	IF	Citations
332	Sonofragmentation of Organic Molecular Crystals vs Strength of Materials. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13997-14003	4.2	2
331	The Optoelectronic Nose. <i>Accounts of Chemical Research</i> , 2021 , 54, 950-960	24.3	16
330	Ultrasensitive Monitoring of Museum Airborne Pollutants Using a Silver Nanoparticle Sensor Array. <i>ACS Sensors</i> , 2020 , 5, 2783-2791	9.2	15
329	Magnetically Levitated Plasma Proteins. <i>Analytical Chemistry</i> , 2020 , 92, 1663-1668	7.8	15
328	Mechanochemistry of Metal-Organic Frameworks under Pressure and Shock. <i>Accounts of Chemical Research</i> , 2020 , 53, 2806-2815	24.3	7
327	Shock Wave Energy Absorption in Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2220-2223	16.4	32
326	Disease-specific protein corona sensor arrays may have disease detection capacity. <i>Nanoscale Horizons</i> , 2019 , 4, 1063-1076	10.8	41
325	Materials synthesis in a bubble. <i>MRS Bulletin</i> , 2019 , 44, 382-391	3.2	34
324	Ultrasonic Nebulization for TEM Sample Preparation on Single-Layer Graphene Grids. <i>Nano Letters</i> , 2019 , 19, 1938-1943	11.5	6
323	Characterization of Magnetic Nanoparticle-Seeded Microspheres for Magnetomotive and Multimodal Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25,	3.8	3
322	Quantitative Imaging of Organic Ligand Density on Anisotropic Inorganic Nanocrystals. <i>Nano Letters</i> , 2019 , 19, 6308-6314	11.5	25
321	Quantitative Chemical Mapping of Anisotropic Molecular Distributions on Gold Nanorods. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1772-1773	0.5	
320	Chemically Induced Sintering of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14193-14196	13.1	16
319	Chemically Induced Sintering of Nanoparticles. <i>Angewandte Chemie</i> , 2019 , 131, 14331-14334	3.6	1
318	The Optoelectronic Nose: Colorimetric and Fluorometric Sensor Arrays. <i>Chemical Reviews</i> , 2019 , 119, 231-292	68.1	404
317	Colorimetric Sensor Array for Monitoring CO and Ethylene. <i>Analytical Chemistry</i> , 2019 , 91, 797-802	7.8	48
316	Ultrasonic Preparation of Porous Silica-Dye Microspheres: Sensors for Quantification of Urinary Trimethylamine N-Oxide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15820-15828	9.5	24

315	Mathematical modelling of the evolution of the particle size distribution during ultrasound-induced breakage of aspirin crystals. <i>Chemical Engineering Research and Design</i> , 2018 , 132, 170-177	5.5	8
314	Mechanochemical Reactions of Metal-Organic Frameworks. <i>Advances in Inorganic Chemistry</i> , 2018 , 403-434		10
313	Shock wave dissipation by metal organic framework 2018 ,		4
312	The Effects of Ultrasound on Crystals: Sonocrystallization and Sonofragmentation. <i>Crystals</i> , 2018 , 8, 2802.3		53
311	Colorimetric sensor arrays: development and application to art conservation. <i>Journal of the American Institute for Conservation</i> , 2018 , 57, 127-140	0.6	13
310	Thermal Explosions of Polymer-Bonded Explosives with High Time and Space Resolution. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14289-14295	3.8	8
309	A Hand-Held Optoelectronic Nose for the Identification of Liquors. <i>ACS Sensors</i> , 2018 , 3, 121-127	9.2	48
308	Drop hammer with high-speed thermal imaging. <i>Review of Scientific Instruments</i> , 2018 , 89, 115104	1.7	8
307	Quantitative Chemical Mapping of Soft-Hard Interfaces on Gold Nanorods. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1674-1675	0.5	
306	The Chemical History of a Bubble. <i>Accounts of Chemical Research</i> , 2018 , 51, 2169-2178	24.3	56
305	Nanostructured Materials Synthesis Using Ultrasound. <i>Topics in Current Chemistry</i> , 2017 , 375, 12	7.2	54
304	Ultrafast Proton Transfer in Polymer Blends Triggered by Shock Waves. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3974-3977	16.4	9
303	Nanostructured Materials Synthesis Using Ultrasound. <i>Topics in Current Chemistry Collections</i> , 2017 , 59-948		11
302	Shock Wave Chemistry in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4619-4622	16.4	48
301	Energy Storage during Compression of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4667-4670	16.4	42
300	Sonofragmentation of Ionic Crystals. <i>Chemistry - A European Journal</i> , 2017 , 23, 2778-2782	4.8	18
299	Bond breakage under pressure in a metal organic framework. <i>Chemical Science</i> , 2017 , 8, 8004-8011	9.4	52
298	Shock initiation of explosives: High temperature hot spots explained. <i>Applied Physics Letters</i> , 2017 , 111, 061902	3.4	45

297	Colorimetric Recognition of Aldehydes and Ketones. <i>Angewandte Chemie</i> , 2017 , 129, 9992-9995	3.6	9
296	Colorimetric Recognition of Aldehydes and Ketones. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9860-9863	16.4	72
295	Fe-based heterogeneous catalysts for the Fischer-Tropsch reaction: Sonochemical synthesis and bench-scale experimental tests. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 774-780	8.9	11
294	A siloxyl bis-pocket thiolate-tailed Fe(III) porphyrin complex. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 790-795	1.8	
293	Sorption and catalysis by robust microporous metalloporphyrin framework solids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 857-869	1.8	0
292	The Optoelectronic Nose. <i>Proceedings (mdpi)</i> , 2017 , 1, 823	0.3	
291	An optoelectronic nose for identification of explosives. <i>Chemical Science</i> , 2016 , 7, 199-206	9.4	108
290	Portable Optoelectronic Nose for Monitoring Meat Freshness. <i>ACS Sensors</i> , 2016 , 1, 1330-1335	9.2	90
289	Identification of Nanoparticles with a Colorimetric Sensor Array. <i>ACS Sensors</i> , 2016 , 1, 17-21	9.2	50
288	Intravascular magnetomotive optical coherence tomography of targeted early-stage atherosclerotic changes in ex vivo hyperlipidemic rabbit aortas. <i>Journal of Biophotonics</i> , 2016 , 9, 109-16	3.1	9
287	Rapid Quantification of Trimethylamine. <i>Analytical Chemistry</i> , 2016 , 88, 5615-20	7.8	42
286	Enhancement and wavelength-shifted emission of Cerenkov luminescence using multifunctional microspheres. <i>Physics in Medicine and Biology</i> , 2015 , 60, 727-39	3.8	15
285	Impact of air and water vapor environments on the hydrophobicity of surfaces. <i>Journal of Colloid and Interface Science</i> , 2015 , 453, 177-185	9.3	9
284	Composite CaO-Based CO ₂ Sorbents Synthesized by Ultrasonic Spray Pyrolysis: Experimental Results and Modeling. <i>Energy & Fuels</i> , 2015 , 29, 4447-4452	4.1	5
283	Identification of accelerants, fuels and post-combustion residues using a colorimetric sensor array. <i>Analyst, The</i> , 2015 , 140, 5929-35	5	26
282	Hand-Held Reader for Colorimetric Sensor Arrays. <i>Analytical Chemistry</i> , 2015 , 87, 7810-6	7.8	70
281	High Surface Area Iron Oxide Microspheres via Ultrasonic Spray Pyrolysis of Ferritin Core Analogues. <i>Chemistry of Materials</i> , 2015 , 27, 3564-3567	9.6	17
280	Magnetic, Fluorescent, and Copolymeric Silicone Microspheres. <i>Advanced Science</i> , 2015 , 2, 1500114	13.6	10

279	Tensor sufficient dimension reduction. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2015 , 7, 178-184	1.4	6
278	Highlights from Faraday Discussion 170: challenges and opportunities of modern mechanochemistry, Montreal, Canada, 2014. <i>Chemical Communications</i> , 2015 , 51, 6248-56	5.8	38
277	Ultrasonic hammer produces hot spots in solids. <i>Nature Communications</i> , 2015 , 6, 6581	17.4	65
276	Spray Sonocrystallization. <i>Crystal Growth and Design</i> , 2015 , 15, 1564-1567	3.5	14
275	Solvatochromic sensor array for the identification of common organic solvents. <i>Analyst, The</i> , 2015 , 140, 2613-7	5	20
274	Spray-on omniphobic ZnO coatings. <i>RSC Advances</i> , 2015 , 5, 69243-69250	3.7	22
273	Differentiation among peroxide explosives with an optoelectronic nose. <i>Chemical Communications</i> , 2015 , 51, 15312-5	5.8	68
272	Synthesis of Manganese Oxide Microspheres by Ultrasonic Spray Pyrolysis and Their Application as Supercapacitors. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 899-906	3.1	14
271	MATRIX DISCRIMINANT ANALYSIS WITH APPLICATION TO COLORIMETRIC SENSOR ARRAY DATA. <i>Technometrics</i> , 2015 , 57, 524-534	1.4	13
270	Synthesis of Poly(3,4-ethylenedioxythiophene) Microspheres by Ultrasonic Spray Polymerization (USPo). <i>Chemistry of Materials</i> , 2015 , 27, 7559-7563	9.6	29
269	The development of a disposable gas chromatography microcolumn. <i>Chemical Communications</i> , 2015 , 51, 8920-3	5.8	9
268	Compression-induced deformation of individual metal-organic framework microcrystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1750-3	16.4	53
267	Variation of protein corona composition of gold nanoparticles following plasmonic heating. <i>Nano Letters</i> , 2014 , 14, 6-12	11.5	151
266	Hot spots in energetic materials generated by infrared and ultrasound, detected by thermal imaging microscopy. <i>Review of Scientific Instruments</i> , 2014 , 85, 023705	1.7	39
265	Colorimetric sensor arrays: Interplay of geometry, substrate and immobilization. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 116-122	8.5	45
264	Single bubble perturbation in cavitation proximity of solid glass: hot spot versus distance. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3534-41	3.6	6
263	Identification of pathogenic fungi with an optoelectronic nose. <i>Analyst, The</i> , 2014 , 139, 1922-8	5	47
262	Mechanochemistry and sonochemistry: concluding remarks. <i>Faraday Discussions</i> , 2014 , 170, 411-22	3.6	71

261	Hot spot generation in energetic materials created by long-wavelength infrared radiation. <i>Applied Physics Letters</i> , 2014 , 104, 061907	3.4	24
260	Sonocrystallization and sonofragmentation. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1908-15	8.9	152
259	Magnetomotive optical coherence tomography for the assessment of atherosclerotic lesions using α integrin-targeted microspheres. <i>Molecular Imaging and Biology</i> , 2014 , 16, 36-43	3.8	11
258	Optical sensor arrays for chemical sensing: the optoelectronic nose. <i>Chemical Society Reviews</i> , 2013 , 42, 8649-82	58.5	595
257	CaO-based sorbents for CO ₂ capture prepared by ultrasonic spray pyrolysis. <i>RSC Advances</i> , 2013 , 3, 19872-7	3.7	28
256	Sonofragmentation of molecular crystals: Observations and Modeling 2013 ,		2
255	Porous TiO ₂ microspheres with tunable properties for photocatalytic air purification. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 445-51	8.9	42
254	Sonochemical synthesis of nanomaterials. <i>Chemical Society Reviews</i> , 2013 , 42, 2555-67	58.5	711
253	Mechanical activation of CaO-based adsorbents for CO ₂ capture. <i>ChemSusChem</i> , 2013 , 6, 193-8	8.3	42
252	Non-Boltzmann population distributions during single-bubble sonoluminescence. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15886-93	3.4	9
251	Targeted multifunctional multimodal protein-shell microspheres as cancer imaging contrast agents. <i>Molecular Imaging and Biology</i> , 2012 , 14, 17-24	3.8	42
250	Synesthesia in science and technology: more than making the unseen visible. <i>Current Opinion in Chemical Biology</i> , 2012 , 16, 557-63	9.7	20
249	Temperature Nonequilibrium during Single-Bubble Sonoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2401-4	6.4	13
248	Porous carbon spheres from energetic carbon precursors using ultrasonic spray pyrolysis. <i>Advanced Materials</i> , 2012 , 24, 6028-33	24	52
247	Protein fibrillation and the olfactory system: speculations on their linkage. <i>Trends in Biotechnology</i> , 2012 , 30, 609-10	15.1	5
246	Gold nanoparticles encapsulated in porous carbon. <i>Chemical Communications</i> , 2012 , 48, 11094-6	5.8	45
245	Exhaled breath analysis with a colorimetric sensor array for the identification and characterization of lung cancer. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 137-42	8.9	163
244	Porous Carbon Nanostructures: Porous Carbon Spheres from Energetic Carbon Precursors using Ultrasonic Spray Pyrolysis (Adv. Mater. 45/2012). <i>Advanced Materials</i> , 2012 , 24, 6114-6114	24	2

243	Sonochemical preparation of functionalized graphenes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9148-51	16.4	137
242	Sonofragmentation of molecular crystals. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14530-3	16.4	117
241	Carbon Microspheres as Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20481-20486	3.8	64
240	Nanostructured Substrates for Optical Sensing. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2934-2944	6.4	29
239	Preoxidation for colorimetric sensor array detection of VOCs. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16786-9	16.4	199
238	Rapid identification of bacteria with a disposable colorimetric sensing array. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7571-6	16.4	196
237	Porous carbon produced in air: physicochemical properties and stem cell engineering. <i>Advanced Materials</i> , 2011 , 23, 2332-8	24	15
236	Nanoscale porosity in pigments for chemical sensing. <i>Nanoscale</i> , 2011 , 3, 1971-3	7.7	24
235	Synthesis and characterization of iron-impregnated porous carbon spheres prepared by ultrasonic spray pyrolysis. <i>Carbon</i> , 2011 , 49, 587-598	10.4	78
234	Effect of reaction conditions on size and morphology of ultrasonically prepared Ni(OH)(2) powders. <i>Ultrasonics Sonochemistry</i> , 2011 , 18, 901-6	8.9	41
233	Extreme conditions during multibubble cavitation: Sonoluminescence as a spectroscopic probe. <i>Ultrasonics Sonochemistry</i> , 2011 , 18, 842-6	8.9	112
232	Inertially confined plasma in an imploding bubble. <i>Nature Physics</i> , 2010 , 6, 598-601	16.2	78
231	Molecular emission and temperature measurements from single-bubble sonoluminescence. <i>Physical Review Letters</i> , 2010 , 104, 244301	7.4	33
230	Colorimetric sensor array for determination and identification of toxic industrial chemicals. <i>Analytical Chemistry</i> , 2010 , 82, 9433-40	7.8	176
229	Chemical Aerosol Flow Synthesis of Hollow Metallic Aluminum Particles. <i>Chemistry of Materials</i> , 2010 , 22, 4835-4837	9.6	22
228	Nanostructured Carbons Prepared by Ultrasonic Spray Pyrolysis. <i>Chemistry of Materials</i> , 2010 , 22, 1610-1612	9.6	45
227	A colorimetric sensor array for identification of toxic gases below permissible exposure limits. <i>Chemical Communications</i> , 2010 , 46, 2037-9	5.8	179
226	A colorimetric sensor array for detection of triacetone triperoxide vapor. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15519-21	16.4	214

225	A simple and highly sensitive colorimetric detection method for gaseous formaldehyde. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4046-7	16.4	209
224	Discrimination of complex mixtures by a colorimetric sensor array: coffee aromas. <i>Analytical Chemistry</i> , 2010 , 82, 2067-73	7.8	197
223	Sonochemical synthesis of highly fluorescent ag nanoclusters. <i>ACS Nano</i> , 2010 , 4, 3209-14	16.7	323
222	Applications of ultrasound to the synthesis of nanostructured materials. <i>Advanced Materials</i> , 2010 , 22, 1039-59	24	1298
221	Temperature inhomogeneity during multibubble sonoluminescence. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1079-82	16.4	37
220	Differential sensing of sugars by colorimetric arrays. <i>Current Opinion in Chemical Biology</i> , 2010 , 14, 758-66	6.7	75
219	Dual Templating Synthesis of Mesoporous Titanium Nitride Microspheres. <i>Advanced Materials</i> , 2009 , 21, 3186-3190	24	79
218	An optoelectronic nose for the detection of toxic gases. <i>Nature Chemistry</i> , 2009 , 1, 562-7	17.6	363
217	Nanotechnology, nanotoxicology, and neuroscience. <i>Progress in Neurobiology</i> , 2009 , 87, 133-70	10.9	313
216	Colorimetric detection and identification of natural and artificial sweeteners. <i>Analytical Chemistry</i> , 2009 , 81, 6526-33	7.8	124
215	Spatial separation of cavitating bubble populations: the nanodroplet injection model. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6060-1	16.4	84
214	Photodegradation of BiNbO ₄ Powder during Photocatalytic Reactions. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10341-10345	3.8	59
213	BiVO ₄ as a Visible-Light Photocatalyst Prepared by Ultrasonic Spray Pyrolysis. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11980-11983	3.8	191
212	A colorimetric sensor array of porous pigments. <i>Analyst, The</i> , 2009 , 134, 2453-7	5	62
211	Chemically responsive nanoporous pigments: colorimetric sensor arrays and the identification of aliphatic amines. <i>Langmuir</i> , 2008 , 24, 13168-72	4	86
210	Quantum Dots from Chemical Aerosol Flow Synthesis: Preparation, Characterization, and Cellular Imaging. <i>Chemistry of Materials</i> , 2008 , 20, 4033-4038	9.6	52
209	Inside a collapsing bubble: sonoluminescence and the conditions during cavitation. <i>Annual Review of Physical Chemistry</i> , 2008 , 59, 659-83	15.7	439
208	A four-coordinate Fe(III) porphyrin cation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1134-5	16.4	44

207	A colorimetric sensor array for detection and identification of sugars. <i>Organic Letters</i> , 2008 , 10, 4405-8	6.2	103
206	Sonocatalysis 2008 , 2007		2
205	Magnetic protein microspheres as dynamic contrast agents for magnetomotive optical coherence tomography 2008 ,		2
204	Nanostructured ZnS:Ni ²⁺ Photocatalysts Prepared by Ultrasonic Spray Pyrolysis. <i>Advanced Materials</i> , 2008 , 20, 2599-2603	24	133
203	Plasma characteristics of the discharge produced during mechanoluminescence. <i>Physical Review Letters</i> , 2007 , 99, 234301	7.4	17
202	Upper bound for neutron emission from sonoluminescing bubbles in deuterated acetone. <i>Physical Review Letters</i> , 2007 , 98, 064301	7.4	19
201	NMR structures of peptide-Ru(II)(porphyrin) complexes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14124-5	16.4	2
200	Intense mechanoluminescence and gas phase reactions from the sonication of an organic slurry. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6718-9	16.4	64
199	Colorimetric sensor array for soft drink analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 237-42	5.7	202
198	Evidence for a plasma core during multibubble sonoluminescence in sulfuric acid. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3838-9	16.4	71
197	Seeing smells: development of an optoelectronic nose. <i>Quimica Nova</i> , 2007 , 30, 677-681	1.6	62
196	Emission from electronically excited metal atoms during single-bubble Sonoluminescence. <i>Physical Review Letters</i> , 2007 , 99, 134301	7.4	50
195	Porous Carbon Supports Prepared by Ultrasonic Spray Pyrolysis for Direct Methanol Fuel Cell Electrodes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10959-10964	3.8	84
194	Carbon Powders Prepared by Ultrasonic Spray Pyrolysis of Substituted Alkali Benzoates. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 17807-17811	3.8	27
193	Sonochemical synthesis of nanosized hollow hematite. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2242-3	16.4	222
192	Porous, Hollow, and Ball-in-Ball Metal Oxide Microspheres: Preparation, Endocytosis, and Cytotoxicity. <i>Advanced Materials</i> , 2006 , 18, 1832-1837	24	150
191	Measurement of pressure and density inside a single sonoluminescing bubble. <i>Physical Review Letters</i> , 2006 , 96, 204301	7.4	57
190	Porous carbon powders prepared by ultrasonic spray pyrolysis. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12642-3	16.4	132

189	Tumor targeting by surface-modified protein microspheres. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3472-3	16.4	106
188	Plasma quenching by air during single-bubble sonoluminescence. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 9315-8	2.8	15
187	Colorimetric sensor arrays for the analysis of beers: a feasibility study. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 4925-31	5.7	177
186	Colorimetric sensor arrays for volatile organic compounds. <i>Analytical Chemistry</i> , 2006 , 78, 3591-600	7.8	397
185	On the Possibility of Metal Borides for Hydrodesulfurization. <i>Chemistry of Materials</i> , 2006 , 18, 3103-3107	6	18
184	Formation and characterization of polyglutamate core-shell microspheres. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6540-1	16.4	66
183	Mechanoluminescence: light from sonication of crystal slurries. <i>Nature</i> , 2006 , 444, 163	50.4	137
182	Porous MoS ₂ synthesized by ultrasonic spray pyrolysis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9990-1	16.4	211
181	Magnetic and porous nanospheres from ultrasonic spray pyrolysis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12007-10	16.4	161
180	Magnetomotive contrast for in vivo optical coherence tomography. <i>Optics Express</i> , 2005 , 13, 6597-614	3.3	128
179	Microporous porphyrin solids. <i>Accounts of Chemical Research</i> , 2005 , 38, 283-91	24.3	454
178	Chemical aerosol flow synthesis of semiconductor nanoparticles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12196-7	16.4	109
177	A colorimetric sensor array for organics in water. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11548-9	16.4	263
176	Dynamics of a sonoluminescing bubble in sulfuric acid. <i>Physical Review Letters</i> , 2005 , 95, 254301	7.4	63
175	Sonochemical preparation of hollow nanospheres and hollow nanocrystals. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2368-9	16.4	334
174	Molecular and atomic emission during single-bubble cavitation in concentrated sulfuric acid. <i>Acoustics Research Letters Online: ARLO</i> , 2005 , 6, 157-161		21
173	Sonochemistry and sonoluminescence in ionic liquids, molten salts, and concentrated electrolyte solutions. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 3513-3517	2.3	74
172	Plasma formation and temperature measurement during single-bubble cavitation. <i>Nature</i> , 2005 , 434, 52-5	50.4	445

171	Molecular recognition and discrimination of amines with a colorimetric array. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4528-32	16.4	243
170	Molecular Recognition and Discrimination of Amines with a Colorimetric Array. <i>Angewandte Chemie</i> , 2005 , 117, 4604-4608	3.6	47
169	Microporous Porphyrin Solids. <i>ChemInform</i> , 2005 , 36, no		1
168	Therapeutic Agents for Alzheimers Disease. <i>Current Medicinal Chemistry - Central Nervous System Agents</i> , 2005 , 5, 259-269		17
167	Plasma line emission during single-bubble cavitation. <i>Physical Review Letters</i> , 2005 , 95, 044301	7.4	71
166	Syntheses of boronic-acid-appended metalloporphyrins as potential colorimetric sensors for sugars and carbohydrates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005 , 09, 659-666	1.8	20
165	Recent developments in robust microporous porphyrin solids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004 , 08, 182-190	1.8	15
164	Effects of high-intensity ultrasound on Bi ₂ Sr ₂ CaCu ₂ O _{8+x} superconductor. <i>Applied Physics Letters</i> , 2004 , 85, 3513-3515	3.4	13
163	An optoelectronic nose: "seeing" smells by means of colorimetric sensor arrays. <i>MRS Bulletin</i> , 2004 , 29, 720-5	3.2	117
162	High velocity interparticle collisions driven by ultrasound. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13890-1	16.4	161
161	Colorimetric sensor arrays for molecular recognition. <i>Tetrahedron</i> , 2004 , 60, 11133-11138	2.4	250
160	Hydrodehalogenation with sonochemically prepared Mo ₂ C and W ₂ C. <i>Catalysis Today</i> , 2004 , 88, 139-151	5.3	61
159	The structure of amorphous iron at high pressures to 67GPa measured in a diamond anvil cell. <i>Physics of the Earth and Planetary Interiors</i> , 2004 , 143-144, 481-495	2.3	18
158	Magnetic contrast agents for optical coherence tomography 2004 ,		8
157	De novo designed cyclic-peptide heme complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13140-5	11.5	45
156	Optical characterization of contrast agents for optical coherence tomography 2003 , 4967, 129		5
155	A robust microporous zinc porphyrin framework solid. <i>Inorganic Chemistry</i> , 2003 , 42, 7719-21	5.1	119
154	Sonochemistry and sonoluminescence of room-temperature ionic liquids. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11138-9	16.4	120

153	Engineered microsphere contrast agents for optical coherence tomography. <i>Optics Letters</i> , 2003 , 28, 1546-8	3	187
152	Pressure during Sonoluminescence. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7303-7306	3.4	77
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