Kenneth S Suslick

List of Publications by Year
in descending order

346 papers	44,113 citations	1893 102 h-index	2178 202 g-index
363 all docs	363 docs citations	363 times ranked	31012 citing authors

#	Article	IF	Citations
1	The Optoelectronic Nose. Accounts of Chemical Research, 2021, 54, 950-960.	15.6	66
2	Sonofragmentation of Organic Molecular Crystals vs Strength of Materials. Journal of Organic Chemistry, 2021, 86, 13997-14003.	3.2	7
3	Magnetically Levitated Plasma Proteins. Analytical Chemistry, 2020, 92, 1663-1668.	6.5	27
4	Mechanochemistry of Metalâ€“Organic Frameworks under Pressure and Shock. Accounts of Chemical Research, 2020, 53, 2806-2815.	15.6	20
5	Ultrasensitive Monitoring of Museum Airborne Pollutants Using a Silver Nanoparticle Sensor Array. ACS Sensors, 2020, 5, 2783-2791.	7.8	32
6	Absorption of shock wave in the crystal films of metal-organic framework. AIP Conference Proceedings, 2020, , .	0.4	0
7	Characterization of Magnetic Nanoparticle-Seeded Microspheres for Magnetomotive and Multimodal Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-14.	2.9	4
8	Quantitative Imaging of Organic Ligand Density on Anisotropic Inorganic Nanocrystals. Nano Letters, 2019, 19, 6308-6314.	9.1	50
9	Quantitative Chemical Mapping of Anisotropic Molecular Distributions on Gold Nanorods. Microscopy and Microanalysis, 2019, 25, 1772-1773.	0.4	0
10	Chemically Induced Sintering of Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 14193-14196.	13.8	21
11	Chemically Induced Sintering of Nanoparticles. Angewandte Chemie, 2019, 131, 14331-14334.	2.0	4
12	Shock Wave Energy Absorption in Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 2220-2223.	13.7	69
13	Disease-specific protein corona sensor arrays may have disease detection capacity. Nanoscale Horizons, 2019, 4, 1063-1076.	8.0	68
14	Materials synthesis in a bubble. MRS Bulletin, 2019, 44, 382-391.	3.5	60
15	Ultrasonic Nebulization for TEM Sample Preparation on Single-Layer Graphene Grids. Nano Letters, 2019, 19, 1938-1943.	9.1	11
16	The Optoelectronic Nose: Colorimetric and Fluorometric Sensor Arrays. Chemical Reviews, 2019, 119, 231-292.	47.7	718
17	Colorimetric Sensor Array for Monitoring CO and Ethylene. Analytical Chemistry, 2019, 91, 797-802.	6.5	72
18	Sonoluminescence from alkali-earth metal salts in sulfuric acid solutions. Proceedings of Meetings on Acoustics, 2019, , .	0.3	2

#	Article	IF	Citations
19	Ultrasonic Preparation of Porous Silica-Dye Microspheres: Sensors for Quantification of Urinary Trimethylamine N-Oxide. ACS Applied Materials & Interfaces, 2018, 10, 15820-15828.	8.0	31
20	Mathematical modelling of the evolution of the particle size distribution during ultrasound-induced breakage of aspirin crystals. Chemical Engineering Research and Design, 2018, 132, 170-177.	5.6	11
21	Mechanochemical Reactions of Metal-Organic Frameworks. Advances in Inorganic Chemistry, 2018, , 403-434.	1.0	17
22	A Hand-Held Optoelectronic Nose for the Identification of Liquors. ACS Sensors, 2018, 3, 121-127.	7.8	67
23	Drop hammer with high-speed thermal imaging. Review of Scientific Instruments, 2018, 89, 115104.	1.3	15
24	Quantitative Chemical Mapping of Soft-Hard Interfaces on Gold Nanorods. Microscopy and Microanalysis, 2018, 24, 1674-1675.	0.4	0
25	The Chemical History of a Bubble. Accounts of Chemical Research, 2018, 51, 2169-2178.	15.6	78
26	Shock wave dissipation by metal organic framework. AIP Conference Proceedings, 2018, , .	0.4	4
27	The Effects of Ultrasound on Crystals: Sonocrystallization and Sonofragmentation. Crystals, 2018, 8, 280.	2.2	81
28	Colorimetric sensor arrays: development and application to art conservation. Journal of the American Institute for Conservation, 2018, 57, 127-140.	0.5	15
29	Thermal Explosions of Polymer-Bonded Explosives with High Time and Space Resolution. Journal of Physical Chemistry C, 2018, 122, 14289-14295.	3.1	12
30	Nanostructured Materials Synthesis Using Ultrasound. Topics in Current Chemistry, 2017, 375, 12.	5.8	72
31	Ultrafast Proton Transfer in Polymer Blends Triggered by Shock Waves. Journal of the American Chemical Society, 2017, 139, 3974-3977.	13.7	13
32	Nanostructured Materials Synthesis Using Ultrasound. Topics in Current Chemistry Collections, 2017, , 59-94.	0.5	18
33	Shock Wave Chemistry in a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 4619-4622.	13.7	80
34	Energy Storage during Compression of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 4667-4670.	13.7	53
35	Sonofragmentation of Ionic Crystals. Chemistry - A European Journal, 2017, 23, 2778-2782.	3.3	24
36	Bond breakage under pressure in a metal organic framework. Chemical Science, 2017, 8, 8004-8011.	7.4	77

#	Article	IF	Citations
37	Shock initiation of explosives: High temperature hot spots explained. Applied Physics Letters, 2017, 111, .	3.3	68
38	Colorimetric Recognition of Aldehydes and Ketones. Angewandte Chemie, 2017, 129, 9992-9995.	2.0	17
39	Colorimetric Recognition of Aldehydes and Ketones. Angewandte Chemie - International Edition, 2017, 56, 9860-9863.	13.8	103
40	Fe-based heterogeneous catalysts for the Fischer-Tropsch reaction: Sonochemical synthesis and bench-scale experimental tests. Ultrasonics Sonochemistry, 2017, 34, 774-780.	8.2	13
41	A siloxyl bis-pocket thiolate-tailed Fe(III) porphyrin complex. Journal of Porphyrins and Phthalocyanines, 2017, 21, 790-795.	0.8	0
42	Sorption and catalysis by robust microporous metalloporphyrin framework solids. Journal of Porphyrins and Phthalocyanines, 2017, 21, 857-869.	0.8	1
43	The Optoelectronic Nose. Proceedings (mdpi), 2017, 1, .	0.2	0
44	Rapid Quantification of Trimethylamine. Analytical Chemistry, 2016, 88, 5615-5620.	6.5	53
45	Colorimetric Sensor. Chemistry International, 2016, 38, .	0.3	0
46	Portable Optoelectronic Nose for Monitoring Meat Freshness. ACS Sensors, 2016, 1, 1330-1335.	7.8	128
47	Identification of Nanoparticles with a Colorimetric Sensor Array. ACS Sensors, 2016, 1, 17-21.	7.8	55
48	Intravascular magnetomotive optical coherence tomography of targeted earlyâ€stage atherosclerotic changes in ex vivo hyperlipidemic rabbit aortas. Journal of Biophotonics, 2016, 9, 109-116.	2.3	12
49	An optoelectronic nose for identification of explosives. Chemical Science, 2016, 7, 199-206.	7.4	138
50	Synthesis of Manganese Oxide Microspheres by Ultrasonic Spray Pyrolysis and Their Application as Supercapacitors. Particle and Particle Systems Characterization, 2015, 32, 899-906.	2.3	15
51	Matrix Discriminant Analysis With Application to Colorimetric Sensor Array Data. Technometrics, 2015, 57, 524-534.	1.9	18
52	Synthesis of Poly(3,4-ethylenedioxythiophene) Microspheres by Ultrasonic Spray Polymerization (USPo). Chemistry of Materials, 2015, 27, 7559-7563.	6.7	31
53	The development of a disposable gas chromatography microcolumn. Chemical Communications, 2015, 51, 8920-8923.	4.1	12
54	Compression-Induced Deformation of Individual Metalâ€“Organic Framework Microcrystals. Journal of the American Chemical Society, 2015, 137, 1750-1753.	13.7	66

#	Article	IF	Citations
55	Enhancement and wavelength-shifted emission of Cerenkov luminescence using multifunctional microspheres. Physics in Medicine and Biology, 2015, 60, 727-739.	3.0	16
56	Impact of air and water vapor environments on the hydrophobicity of surfaces. Journal of Colloid and Interface Science, 2015, 453, 177-185.	9.4	12
57	Composite CaO-Based CO₂ Sorbents Synthesized by Ultrasonic Spray Pyrolysis: Experimental Results and Modeling. Energy & Fuels, 2015, 29, 4447-4452.	5.1	6
58	Identification of accelerants, fuels and post-combustion residues using a colorimetric sensor array. Analyst, The, 2015, 140, 5929-5935.	3.5	28
59	Hand-Held Reader for Colorimetric Sensor Arrays. Analytical Chemistry, 2015, 87, 7810-7816.	6.5	86
60	High Surface Area Iron Oxide Microspheres via Ultrasonic Spray Pyrolysis of Ferritin Core Analogues. Chemistry of Materials, 2015, 27, 3564-3567.	6.7	21
61	Magnetic, Fluorescent, and Copolymeric Silicone Microspheres. Advanced Science, 2015, 2, 1500114.	11.2	10
62	Tensor sufficient dimension reduction. Wiley Interdisciplinary Reviews: Computational Statistics, 2015, 7, 178-184.	3.9	6
63	Highlights from Faraday discussion 170: Challenges and opportunities of modern mechanochemistry, Montreal, Canada, 2014. Chemical Communications, 2015, 51, 6248-6256.	4.1	45
64	Ultrasonic hammer produces hot spots in solids. Nature Communications, 2015, 6, 6581.	12.8	83
65	Spray Sonocrystallization. Crystal Growth and Design, 2015, 15, 1564-1567.	3.0	14
66	Solvatochromic sensor array for the identification of common organic solvents. Analyst, The, 2015, 140, 2613-2617.	3.5	23
67	Spray-on omniphobic ZnO coatings. RSC Advances, 2015, 5, 69243-69250.	3.6	28
68	Differentiation among peroxide explosives with an optoelectronic nose. Chemical Communications, 2015, 51, 15312-15315.	4.1	84
69	Magnetomotive Optical Coherence Tomography for the Assessment of Atherosclerotic Lesions Using Î±vÎ²3 Integrin-Targeted Microspheres. Molecular Imaging and Biology, 2014, 16, 36-43.	2.6	11
70	Variation of Protein Corona Composition of Gold Nanoparticles Following Plasmonic Heating. Nano Letters, 2014, 14, 6-12.	9.1	184
71	Hot spots in energetic materials generated by infrared and ultrasound, detected by thermal imaging microscopy. Review of Scientific Instruments, 2014, 85, 023705.	1.3	44
72	Colorimetric sensor arrays: Interplay of geometry, substrate and immobilization. Sensors and Actuators B: Chemical, 2014, 197, 116-122.	7.8	52

#	Article	IF	Citations
73	Single bubble perturbation in cavitation proximity of solid glass: hot spot versus distance. Physical Chemistry Chemical Physics, 2014, 16, 3534-3541.	2.8	9
74	Identification of pathogenic fungi with an optoelectronic nose. Analyst, The, 2014, 139, 1922-1928.	3.5	52
75	Mechanochemistry and sonochemistry: concluding remarks. Faraday Discussions, 2014, 170, 411-422.	3.2	96
76	Hot spot generation in energetic materials created by long-wavelength infrared radiation. Applied Physics Letters, 2014, 104, .	3.3	25
77	Sonocrystallization and sonofragmentation. Ultrasonics Sonochemistry, 2014, 21, 1908-1915.	8.2	179
78	Development of an Intravascular Magnetomotive Optical Coherence Tomography System. , 2014, , .		0
79	Optical sensor arrays for chemical sensing: the optoelectronic nose. Chemical Society Reviews, 2013, 42, 8649.	38.1	760
80	CaO-based sorbents for CO2 capture prepared by ultrasonic spray pyrolysis. RSC Advances, 2013, 3, 19872.	3.6	30
81	Sonofragmentation of molecular crystals: Observations and Modeling. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
82	Porous TiO2 microspheres with tunable properties for photocatalytic air purification. Ultrasonics Sonochemistry, 2013, 20, 445-451.	8.2	45
83	Sonochemical synthesis of nanomaterials. Chemical Society Reviews, 2013, 42, 2555-2567.	38.1	893
84	Mechanical Activation of CaOâ€Based Adsorbents for CO₂ Capture. ChemSusChem, 2013, 6, 193-198.	6.8	51
85	Non-Boltzmann Population Distributions during Single-Bubble Sonoluminescence. Journal of Physical Chemistry B, 2013, 117, 15886-15893.	2.6	9
86	Exhaled Breath Analysis with a Colorimetric Sensor Array for the Identification and Characterization of Lung Cancer. Journal of Thoracic Oncology, 2012, 7, 137-142.	1.1	201
87	Porous Carbon Nanostructures: Porous Carbon Spheres from Energetic Carbon Precursors using Ultrasonic Spray Pyrolysis (Adv. Mater. 45/2012). Advanced Materials, 2012, 24, 6114-6114.	21.0	2
88	Synesthesia in science and technology: more than making the unseen visible. Current Opinion in Chemical Biology, 2012, 16, 557-563.	6.1	23
89	Temperature Nonequilibration during Single-Bubble Sonoluminescence. Journal of Physical Chemistry Letters, 2012, 3, 2401-2404.	4.6	14
90	Porous Carbon Spheres from Energetic Carbon Precursors using Ultrasonic Spray Pyrolysis. Advanced Materials, 2012, 24, 6028-6033.	21.0	60

#	Article	IF	Citations
91	Protein fibrillation and the olfactory system: speculations on their linkage. Trends in Biotechnology, 2012, 30, 609-610.	9.3	6
92	Gold nanoparticles encapsulated in porous carbon. Chemical Communications, 2012, 48, 11094.	4.1	46
93	Targeted Multifunctional Multimodal Protein-Shell Microspheres as Cancer Imaging Contrast Agents. Molecular Imaging and Biology, 2012, 14, 17-24.	2.6	49
94	Magnetomotive contrast in optical coherence tomography for detecting early-stage atherosclerosis using targeted microspheres. , 2012, , .		0
95	Nanoscale porosity in pigments for chemical sensing. Nanoscale, 2011, 3, 1971.	5.6	26
96	Sonochemical Preparation of Functionalized Graphenes. Journal of the American Chemical Society, 2011, 133, 9148-9151.	13.7	151
97	Sonofragmentation of Molecular Crystals. Journal of the American Chemical Society, 2011, 133, 14530-14533.	13.7	138
98	Carbon Microspheres as Supercapacitors. Journal of Physical Chemistry C, 2011, 115, 20481-20486.	3.1	71
99	Nanostructured Substrates for Optical Sensing. Journal of Physical Chemistry Letters, 2011, 2, 2934-2944.	4.6	33
100	Preoxidation for Colorimetric Sensor Array Detection of VOCs. Journal of the American Chemical Society, 2011, 133, 16786-16789.	13.7	242
101	Rapid Identification of Bacteria with a Disposable Colorimetric Sensing Array. Journal of the American Chemical Society, 2011, 133, 7571-7576.	13.7	230
102	Porous Carbon Produced in Air: Physicochemical Properties and Stem Cell Engineering. Advanced Materials, 2011, 23, 2332-2338.	21.0	17
103	Synthesis and characterization of iron-impregnated porous carbon spheres prepared by ultrasonic spray pyrolysis. Carbon, 2011, 49, 587-598.	10.3	86
104	Effect of reaction conditions on size and morphology of ultrasonically prepared Ni(OH)2 powders. Ultrasonics Sonochemistry, 2011, 18, 901-906.	8.2	51
105	Extreme conditions during multibubble cavitation: Sonoluminescence as a spectroscopic probe. Ultrasonics Sonochemistry, 2011, 18, 842-846.	8.2	141
106	Abstract 4885: Targeted multi-modal protein microspheres for cancer imaging. , 2011, , .		1
107	Sonochemical Synthesis of Highly Fluorescent Ag Nanoclusters. ACS Nano, 2010, 4, 3209-3214.	14.6	358
108	Applications of Ultrasound to the Synthesis of Nanostructured Materials. Advanced Materials, 2010, 22, 1039-1059.	21.0	1,530

#	Article	IF	Citations
109	Waterâ€Soluble Fluorescent Silver Nanoclusters. Advanced Materials, 2010, 22, 1078-1082.	21.0	444
110	Temperature Inhomogeneity during Multibubble Sonoluminescence. Angewandte Chemie - International Edition, 2010, 49, 1079-1082.	13.8	41
111	Differential sensing of sugars by colorimetric arrays. Current Opinion in Chemical Biology, 2010, 14, 758-766.	6.1	78
112	Inertially confined plasma in an imploding bubble. Nature Physics, 2010, 6, 598-601.	16.7	95
113	Molecular Emission and Temperature Measurements from Single-Bubble Sonoluminescence. Physical Review Letters, 2010, 104, 244301.	7.8	38
114	Colorimetric Sensor Array for Determination and Identification of Toxic Industrial Chemicals. Analytical Chemistry, 2010, 82, 9433-9440.	6.5	200
115	Chemical Aerosol Flow Synthesis of Hollow Metallic Aluminum Particles. Chemistry of Materials, 2010, 22, 4835-4837.	6.7	22
116	Nanostructured Carbons Prepared by Ultrasonic Spray Pyrolysis. Chemistry of Materials, 2010, 22, 1610-1612.	6.7	47
117	A colorimetric sensor array for identification of toxic gases below permissible exposure limits. Chemical Communications, 2010, 46, 2037.	4.1	203
118	A Colorimetric Sensor Array for Detection of Triacetone Triperoxide Vapor. Journal of the American Chemical Society, 2010, 132, 15519-15521.	13.7	250
119	A Simple and Highly Sensitive Colorimetric Detection Method for Gaseous Formaldehyde. Journal of the American Chemical Society, 2010, 132, 4046-4047.	13.7	237
120	Discrimination of Complex Mixtures by a Colorimetric Sensor Array: Coffee Aromas. Analytical Chemistry, 2010, 82, 2067-2073.	6.5	217
121	Abstract 4559: RGD coated protein microspheres as a dual fluorescent and magnetomotive contrast agent for targeted cancer imaging with magnetomotive optical coherence tomography. , 2010, , .		0
122	Dual Templating Synthesis of Mesoporous Titanium Nitride Microspheres. Advanced Materials, 2009, 21, 3186-3190.	21.0	83
123	An optoelectronic nose for the detection of toxic gases. Nature Chemistry, 2009, 1, 562-567.	13.6	420
124	Nanotechnology, nanotoxicology, and neuroscience. Progress in Neurobiology, 2009, 87, 133-170.	5.7	356
125	Colorimetric Detection and Identification of Natural and Artificial Sweeteners. Analytical Chemistry, 2009, 81, 6526-6533.	6.5	138
126	Spatial Separation of Cavitating Bubble Populations: The Nanodroplet Injection Model. Journal of the American Chemical Society, 2009, 131, 6060-6061.	13.7	97

#	Article	IF	Citations
127	Photodegradation of BiNbO₄ Powder during Photocatalytic Reactions. Journal of Physical Chemistry C, 2009, 113, 10341-10345.	3.1	64
128	BiVO₄ as a Visible-Light Photocatalyst Prepared by Ultrasonic Spray Pyrolysis. Journal of Physical Chemistry C, 2009, 113, 11980-11983.	3.1	202
129	A colorimetric sensor array of porous pigments. Analyst, The, 2009, 134, 2453.	3.5	69
130	Nanostructured ZnS:Ni²⁺ Photocatalysts Prepared by Ultrasonic Spray Pyrolysis. Advanced Materials, 2008, 20, 2599-2603.	21.0	143
131	Chemically Responsive Nanoporous Pigments: Colorimetric Sensor Arrays and the Identification of Aliphatic Amines. Langmuir, 2008, 24, 13168-13172.	3.5	93
132	Quantum Dots from Chemical Aerosol Flow Synthesis: Preparation, Characterization, and Cellular Imaging. Chemistry of Materials, 2008, 20, 4033-4038.	6.7	57
133	Inside a Collapsing Bubble: Sonoluminescence and the Conditions During Cavitation. Annual Review of Physical Chemistry, 2008, 59, 659-683.	10.8	532
134	A Four-Coordinate Fe(III) Porphyrin Cation. Journal of the American Chemical Society, 2008, 130, 1134-1135.	13.7	50
135	A Colorimetric Sensor Array for Detection and Identification of Sugars. Organic Letters, 2008, 10, 4405-4408.	4.6	113
136	Magnetic protein microspheres as dynamic contrast agents for magnetomotive optical coherence tomography. , 2008, , .		3
137	Emission from Electronically Excited Metal Atoms during Single-Bubble Sonoluminescence. Physical Review Letters, 2007, 99, 134301.	7.8	58
138	Porous Carbon Supports Prepared by Ultrasonic Spray Pyrolysis for Direct Methanol Fuel Cell Electrodes. Journal of Physical Chemistry C, 2007, 111, 10959-10964.	3.1	87
139	Carbon Powders Prepared by Ultrasonic Spray Pyrolysis of Substituted Alkali Benzoates. Journal of Physical Chemistry C, 2007, 111, 17807-17811.	3.1	28
140	Sonochemical Synthesis of Nanosized Hollow Hematite. Journal of the American Chemical Society, 2007, 129, 2242-2243.	13.7	234
141	Plasma Characteristics of the Discharge Produced during Mechanoluminescence. Physical Review Letters, 2007, 99, 234301.	7.8	18
142	Upper Bound for Neutron Emission from Sonoluminescing Bubbles in Deuterated Acetone. Physical Review Letters, 2007, 98, 064301.	7.8	20
143	NMR Structures of Peptideâ˜Ru^{II}(Porphyrin) Complexes. Journal of the American Chemical Society, 2007, 129, 14124-14125.	13.7	2
144	Intense Mechanoluminescence and Gas Phase Reactions from the Sonication of an Organic Slurry. Journal of the American Chemical Society, 2007, 129, 6718-6719.	13.7	68

#	Article	IF	Citations
145	Colorimetric Sensor Array for Soft Drink Analysis. Journal of Agricultural and Food Chemistry, 2007, 55, 237-242.	5.2	215
146	Evidence for a Plasma Core during Multibubble Sonoluminescence in Sulfuric Acid. Journal of the American Chemical Society, 2007, 129, 3838-3839.	13.7	78
147	Seeing smells: development of an optoelectronic nose. Quimica Nova, 2007, 30, 677-681.	0.3	71
148	Porous Carbon Powders Prepared by Ultrasonic Spray Pyrolysis. Journal of the American Chemical Society, 2006, 128, 12642-12643.	13.7	141
149	Tumor Targeting by Surface-Modified Protein Microspheres. Journal of the American Chemical Society, 2006, 128, 3472-3473.	13.7	118
150	Plasma Quenching by Air during Single-Bubble Sonoluminescence. Journal of Physical Chemistry A, 2006, 110, 9315-9318.	2.5	16
151	Colorimetric Sensor Arrays for the Analysis of Beers:Â A Feasibility Study. Journal of Agricultural and Food Chemistry, 2006, 54, 4925-4931.	5.2	203
152	Colorimetric Sensor Arrays for Volatile Organic Compounds. Analytical Chemistry, 2006, 78, 3591-3600.	6.5	441
153	On the Possibility of Metal Borides for Hydrodesulfurization. Chemistry of Materials, 2006, 18, 3103-3107.	6.7	25
154	Formation and Characterization of Polyglutamate Coreâ^'Shell Microspheres. Journal of the American Chemical Society, 2006, 128, 6540-6541.	13.7	71
155	Light from sonication of crystal slurries. Nature, 2006, 444, 163-163.	27.8	158
156	Porous, Hollow, and Ball-in-Ball Metal Oxide Microspheres: Preparation, Endocytosis, and Cytotoxicity. Advanced Materials, 2006, 18, 1832-1837.	21.0	155
157	Measurement of Pressure and Density Inside a Single Sonoluminescing Bubble. Physical Review Letters, 2006, 96, 204301.	7.8	72
158	Molecular and atomic emission during single- bubble cavitation in concentrated sulfuric acid. Acoustics Research Letters Online: ARLO, 2005, 6, 157-161.	0.7	22
159	Sonochemistry and sonoluminescence in ionic liquids, molten salts, and concentrated electrolyte solutions. Journal of Organometallic Chemistry, 2005, 690, 3513-3517.	1.8	83
160	Plasma formation and temperature measurement during single-bubble cavitation. Nature, 2005, 434, 52-55.	27.8	540
161	Molecular Recognition and Discrimination of Amines with a Colorimetric Array. Angewandte Chemie - International Edition, 2005, 44, 4528-4532.	13.8	262
162	Recent Developments in Robust Microporous Porphyrin Solids. ChemInform, 2005, 36, no.	0.0	0

#	Article	IF	Citations
163	Sonochemical Preparation of Hollow Nanospheres and Hollow Nanocrystals.. ChemInform, 2005, 36, no.	0.0	0
164	Microporous Porphyrin Solids. ChemInform, 2005, 36, no.	0.0	1
165	Porous MoS2 Synthesized by Ultrasonic Spray Pyrolysis.. ChemInform, 2005, 36, no.	0.0	0
166	Therapeutic Agents for Alzheimers Disease. Current Medicinal Chemistry - Central Nervous System Agents, 2005, 5, 259-269.	0.5	23
167	Plasma Line Emission during Single-Bubble Cavitation. Physical Review Letters, 2005, 95, 044301.	7.8	75
168	Syntheses of boronic-acid-appended metalloporphyrins as potential colorimetric sensors for sugars and carbohydrates. Journal of Porphyrins and Phthalocyanines, 2005, 09, 659-666.	0.8	20
169	Porous MoS2Synthesized by Ultrasonic Spray Pyrolysis. Journal of the American Chemical Society, 2005, 127, 9990-9991.	13.7	233
170	Magnetic and Porous Nanospheres from Ultrasonic Spray Pyrolysis. Journal of the American Chemical Society, 2005, 127, 12007-12010.	13.7	171
171	Magnetomotive contrast for in vivo optical coherence tomography. Optics Express, 2005, 13, 6597.	3.4	172
172	Microporous Porphyrin Solids. Accounts of Chemical Research, 2005, 38, 283-291.	15.6	472
173	Chemical Aerosol Flow Synthesis of Semiconductor Nanoparticles. Journal of the American Chemical Society, 2005, 127, 12196-12197.	13.7	120
174	A Colorimetric Sensor Array for Organics in Water. Journal of the American Chemical Society, 2005, 127, 11548-11549.	13.7	289
175	Dynamics of a Sonoluminescing Bubble in Sulfuric Acid. Physical Review Letters, 2005, 95, 254301.	7.8	71
176	Sonochemical Preparation of Hollow Nanospheres and Hollow Nanocrystals. Journal of the American Chemical Society, 2005, 127, 2368-2369.	13.7	358
177	Recent developments in robust microporous porphyrin solids. Journal of Porphyrins and Phthalocyanines, 2004, 08, 182-190.	0.8	16
178	Effects of high-intensity ultrasound on Bi2Sr2CaCu2O8+x superconductor. Applied Physics Letters, 2004, 85, 3513-3515.	3.3	14
179	An Optoelectronic Nose:â€œSeeingâ€•Smells by Means of Colorimetric Sensor Arrays. MRS Bulletin, 2004, 29, 720-725.	3.5	133
180	High Velocity Interparticle Collisions Driven by Ultrasound. Journal of the American Chemical Society, 2004, 126, 13890-13891.	13.7	186

#	Article	IF	Citations
181	Colorimetric sensor arrays for molecular recognition. Tetrahedron, 2004, 60, 11133-11138.	1.9	282
182	Hydrodehalogenation with sonochemically prepared Mo2C and W2C. Catalysis Today, 2004, 88, 139-151.	4.4	65
183	The structure of amorphous iron at high pressures to 67GPa measured in a diamond anvil cell. Physics of the Earth and Planetary Interiors, 2004, 143-144, 481-495.	1.9	22
184	Magnetic contrast agents for optical coherence tomography. , 2004, , .		9
185	In vivo detection of exogenous contrast agents using optical coherence tomography. , 2004, , .		0
186	A Perspective on 4 New Porphyrin-Based Functional Materials and Devices. ChemInform, 2003, 34, no.	0.0	0
187	Shape-Selective Oxidation by Metalloporphyrins. ChemInform, 2003, 34, no.	0.0	3
188	A Robust Microporous Zinc Porphyrin Framework Solid. Inorganic Chemistry, 2003, 42, 7719-7721.	4.0	122
189	Sonochemistry and Sonoluminescence of Room-Temperature Ionic Liquids. Journal of the American Chemical Society, 2003, 125, 11138-11139.	13.7	132
190	Engineered microsphere contrast agents for optical coherence tomography. Optics Letters, 2003, 28, 1546.	3.3	234
191	Pressure during Sonoluminescenceâ€. Journal of Physical Chemistry B, 2003, 107, 7303-7306.	2.6	96
192	Molecular Imprinting Inside Dendrimers. Journal of the American Chemical Society, 2003, 125, 13504-13518.	13.7	139
193	Sonoluminescence and Sonochemistry. , 2003, , 363-376.		10
194	Is the olfactory receptor a metalloprotein?. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3035-3039.	7.1	133
195	Sonochemical modification of the superconducting properties of MgB2. Applied Physics Letters, 2003, 83, 2019-2021.	3.3	30
196	De novo designed cyclic-peptide heme complexes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13140-13145.	7.1	47
197	Optical characterization of contrast agents for optical coherence tomography. , 2003, 4967, 129.		6
198	A perspective on four new porphyrin-based functional materials and devices. Journal of Porphyrins and Phthalocyanines, 2002, 06, 243-258.	0.8	104

#	Article	IF	Citations
199	Cyclic and Hairpin Peptide Complexes of Heme. Journal of the American Chemical Society, 2002, 124, 12394-12395.	13.7	32
200	A calcium-bridged porphyrin coordination network. Journal of Porphyrins and Phthalocyanines, 2002, 06, 377-381.	0.8	31
201	Synthetic hosts by monomolecular imprinting inside dendrimers. Nature, 2002, 418, 399-403.	27.8	383
202	The energy efficiency of formation of photons, radicals and ions during single-bubble cavitation. Nature, 2002, 418, 394-397.	27.8	342
203	A functional zeolite analogue assembled from metalloporphyrins. Nature Materials, 2002, 1, 118-121.	27.5	434
204	Magnetically-inducible optical contrast agents for optical coherence tomography. , 2002, , .		0
205	Sonochemical Preparation of Supported Hydrodesulfurization Catalysts. Journal of the American Chemical Society, 2001, 123, 8310-8316.	13.7	81
206	The materials chemistry of porphyrins and metalloporphyrins. , 2000, 04, 407-413.		176
207	Microporous Porphyrin and Metalloporphyrin Materials. Journal of Solid State Chemistry, 2000, 152, 87-98.	2.9	80
208	Ultrasound-enhanced reactivity of calcium in the reduction of aromatic hydrocarbons. Ultrasonics Sonochemistry, 2000, 7, 53-61.	8.2	27
209	Near-field scanning optical microscopy of zinc-porphyrin crystals. Ultramicroscopy, 2000, 84, 149-157.	1.9	4
210	A colorimetric sensor array for odour visualization. Nature, 2000, 406, 710-713.	27.8	1,323
211	Molecular emission from single-bubble sonoluminescence. Nature, 2000, 407, 877-879.	27.8	172
212	Sonochemistry: A physical perspective. AIP Conference Proceedings, 2000, , .	0.4	3
213	Conditions during multi-bubble cavitation. AIP Conference Proceedings, 2000, , .	0.4	0
214	Effect of Noble Gases on Sonoluminescence Temperatures during Multibubble Cavitation. Physical Review Letters, 2000, 84, 777-780.	7.8	84
215	The Nature of the Continuum in Multibubble Sonoluminescence. Journal of the American Chemical Society, 2000, 122, 8563-8564.	13.7	15
216	Shape-Selective Discrimination of Small Organic Molecules. Journal of the American Chemical Society, 2000, 122, 11565-11566.	13.7	47

#	Article	IF	Citations
217	Effect of Solutes on Single-Bubble Sonoluminescence in Water. Journal of Physical Chemistry A, 2000, 104, 8462-8465.	2.5	85
218	Hydrophobic Interactions in Metalloporphyrinâ^'Peptide Complexes. Inorganic Chemistry, 2000, 39, 5418-5419.	4.0	36
219	Sonochemical Preparation of a Nanostructured Bifunctional Catalyst. Journal of the American Chemical Society, 2000, 122, 5214-5215.	13.7	49
220	Catalytic hydrodenitrogenation of indole over molybdenum nitride and carbides with different structures. Applied Catalysis A: General, 1999, 184, 1-9.	4.3	85
221	New one-pot method for the synthesis of alkynyl sulfonate esters using ultrasound. Tetrahedron Letters, 1999, 40, 599-602.	1.4	17
222	Sonoluminescence temperatures during multi-bubble cavitation. Nature, 1999, 401, 772-775.	27.8	455
223	Hot Spot Conditions during Cavitation in Water. Journal of the American Chemical Society, 1999, 121, 5817-5818.	13.7	279
224	Temperature of Multibubble Sonoluminescence in Water. Journal of Physical Chemistry A, 1999, 103, 10783-10788.	2.5	114
225	Shape-Selective Ligation to Dendrimerâ^'Metalloporphyrins. Journal of the American Chemical Society, 1999, 121, 262-263.	13.7	85
226	Acoustic cavitation and its chemical consequences. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 335-353.	3.4	611
227	APPLICATIONS OF ULTRASOUND TO MATERIALS CHEMISTRY. Annual Review of Materials Research, 1999, 29, 295-326.	5.5	1,436
228	Discotic Liquid Crystals from a Bis-Pocketed Porphyrin. Journal of the American Chemical Society, 1998, 120, 11802-11803.	13.7	46
229	Supramolecular Networks of Octahydroxy Porphyrins. Supramolecular Chemistry, 1998, 9, 169-174.	1.2	20
230	Carbonyl Complexes of Iron(II), Ruthenium(II), and Osmium(II) 5,10,15,20-Tetraphenylporphyrinates:Â A Comparative Investigation by X-ray Crystallography, Solid-State NMR Spectroscopy, and Density Functional Theory. Journal of the American Chemical Society, 1998, 120, 11323-11334.	13.7	76
231	Sonochemical Synthesis of Nanostructured Molybdenum Sulfide. Journal of the American Chemical Society, 1998, 120, 6189-6190.	13.7	300
232	Synthetic Hemeâ^'Peptide Complexes. Journal of the American Chemical Society, 1998, 120, 6183-6184.	13.7	56
233	MÃ¶ssbauer-effect and x-ray-absorption spectral study of sonochemically prepared amorphous iron. Physical Review B, 1998, 57, 10716-10722.	3.2	55
234	Reduced Oxy Intermediate Observed in D251N Cytochrome P450cam. Biochemistry, 1997, 36, 5104-5107.	2.5	89

#	Article	IF	Citations
235	Chemistry Induced by Hydrodynamic Cavitation. Journal of the American Chemical Society, 1997, 119, 9303-9304.	13.7	200
236	Hydrogen-Bonded Porphyrinic Solids:Â Supramolecular Networks of Octahydroxy Porphyrins. Journal of the American Chemical Society, 1997, 119, 8492-8502.	13.7	175
237	Photochemical activation of metalloporphyrin carbene complexes. Journal of Organometallic Chemistry, 1997, 528, 83-90.	1.8	14
238	Nanostructured Materials Generated by High-Intensity Ultrasound:Â Sonochemical Synthesis and Catalytic Studies. Chemistry of Materials, 1996, 8, 2172-2179.	6.7	287
239	Sonochemical Synthesis of Iron Colloids. Journal of the American Chemical Society, 1996, 118, 11960-11961.	13.7	551
240	Vibrational Relaxation in Metalloporphyrin CO Complexes. Journal of the American Chemical Society, 1996, 118, 7853-7854.	13.7	28
241	Photochemistry of Metalloporphyrin Carbene Complexes. Journal of the American Chemical Society, 1996, 118, 5306-5307.	13.7	16
242	Nanostructured Molybdenum Carbide:Â Sonochemical Synthesis and Catalytic Properties. Journal of the American Chemical Society, 1996, 118, 5492-5493.	13.7	261
243	Magnetic and structural properties of amorphous transition metals and alloys. Journal of Non-Crystalline Solids, 1996, 205-207, 656-659.	3.1	10
244	Dendrimer-Metalloporphyrins:Â Synthesis and Catalysis. Journal of the American Chemical Society, 1996, 118, 5708-5711.	13.7	393
245	Tuning the Vibrational Relaxation of CO Bound to Heme and Metalloporphyrin Complexes. The Journal of Physical Chemistry, 1996, 100, 18023-18032.	2.9	44
246	Sonochemically produced fluorocarbon microspheres: A new class of magnetic resonance imaging agent. Journal of Magnetic Resonance Imaging, 1996, 6, 675-683.	3.4	53
247	Ein Chinonâ€substituierter Bis(porphyrinato)â€zirconiumâ€Sandwichkomplex. Angewandte Chemie, 1996, 108, 1310-1312.	2.0	1
248	A Zirconium Bis(porphyrinate) Sandwich Complex with an Appended Quinone. Angewandte Chemie International Edition in English, 1996, 35, 1223-1225.	4.4	22
249	Shape selective epoxidation of alkenes by metalloporphyrin-dendrimers. Journal of Molecular Catalysis A, 1996, 113, 109-116.	4.8	112
250	Sonochemical Preparation of Nanostructured Catalysts. , 1996, , 197-212.		26
251	Cavitation Thermometry Using Molecular and Continuum Sonoluminescence. The Journal of Physical Chemistry, 1996, 100, 6612-6619.	2.9	82
252	Vibrational relaxation of carbon monoxide in model heme compounds. 6-coordinate metalloporphyrins (M = Fe, Ru, OS). Chemical Physics Letters, 1995, 244, 218-223.	2.6	17

#	Article	IF	Citations
253	Sonochemical synthesis of nanostructured catalysts. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 204, 186-192.	5.6	118
254	Comparison of Multibubble and Single-Bubble Sonoluminescence Spectra. Physical Review Letters, 1995, 75, 2602-2605.	7.8	190
255	In-vivoNMR thermometry with liposomes containing59Co complexes. International Journal of Hyperthermia, 1995, 11, 821-827.	2.5	17
256	Applications of Ultrasound to Materials Chemistry. MRS Bulletin, 1995, 20, 29-34.	3.5	141
257	Langmuir-Blodgett Films of Amphiphilic Push-Pull Porphyrins. The Journal of Physical Chemistry, 1994, 98, 383-385.	2.9	105
258	Characterization of sonochemically prepared proteinaceous microspheres. Ultrasonics Sonochemistry, 1994, 1, S65-S68.	8.2	108
259	Electronically asymmetric bis(porphyrin) sandwich complexes. Inorganic Chemistry, 1994, 33, 626-627.	4.0	32
260	BIS(PORPHYRIN)ACTINIDE COMPLEXES AND THEIR RADICAL CATIONS AND DICATIONS. Journal of Coordination Chemistry, 1994, 32, 173-212.	2.2	49
261	Sonochemical Synthesis and Catalytic Properties of Nanostructured Molybdenum Carbide. Materials Research Society Symposia Proceedings, 1994, 351, 201.	0.1	3
262	Nanostructured Fe-Co Catalysts Generated by Ultrasound. Materials Research Society Symposia Proceedings, 1994, 351, 443.	0.1	17
263	Sonochemically Produced Hemoglobin Microbubbles. Materials Research Society Symposia Proceedings, 1994, 372, 89.	0.1	34
264	Pressure measurements during acoustic cavitation by sonoluminescence. Fluid Mechanics and Its Applications, 1994, , 311-320.	0.2	8
265	Photochemical oxygen atom transfers with metalloporphyrins. Journal of Inorganic Biochemistry, 1993, 51, 342.	3.5	0
266	The effect of fluorocarbon gases on sonoluminescence: a failure of the electrical hypothesis. Ultrasonics, 1993, 31, 463-465.	3.9	16
267	One-dimensional coordination polymers: Applications to material science. Coordination Chemistry Reviews, 1993, 128, 293-322.	18.8	522
268	Ultrafast electronic deactivation and vibrational dynamics of photoexcited uranium(IV) porphyrin sandwich complexes. The Journal of Physical Chemistry, 1993, 97, 7216-7221.	2.9	37
269	Sonoluminescence from metal carbonyls. The Journal of Physical Chemistry, 1993, 97, 3098-3099.	2.9	68
270	Magnetic properties of amorphous iron. Physical Review B, 1993, 48, 269-273.	3.2	147

#	Article	IF	Citations
271	Neutron diffraction on amorphous iron powder. Physical Review B, 1993, 48, 15797-15800.	3.2	50
272	Push-pull porphyrins as nonlinear optical materials. Journal of the American Chemical Society, 1992, 114, 6928-6930.	13.7	174
273	Electronic states and optical properties of porphyrins in van der Waals contact: thorium(IV) sandwich complexes. Journal of the American Chemical Society, 1992, 114, 6528-6538.	13.7	81
274	Rare example of a monomeric aryllithium complex. X-ray crystal structure of (2,4,6-triphenylphenyl)lithium-bis(diethyl ether). Organometallics, 1992, 11, 3907-3910.	2.3	42
275	Proteinaceous Microspheres. ACS Symposium Series, 1992, , 218-226.	0.5	7
276			

#	Article	IF	Citations
289	On the origin of sonoluminescence and sonochemistry. Ultrasonics, 1990, 28, 280-290.	3.9	346
290	Interparticle collisions driven by ultrasound. Science, 1990, 247, 1067-1069.	12.6	549
291	Putidaredoxin reduction of cytochrome P-450cam: dependence of electron transfer on the identity of putidaredoxin's C-terminal amino acid. Journal of the American Chemical Society, 1990, 112, 7396-7398.	13.7	57
292	Observation of a new low-energy fluorescent 1(.pi.,.pi.*) excited state in strongly coupled porphyrin dimers. Journal of the American Chemical Society, 1990, 112, 4075-4077.	13.7	55
293	Probing macrocycle flexibility: ligand binding to zinc and nickel tetraphenylhydroporphyrins. Journal of the American Chemical Society, 1990, 112, 1283-1285.	13.7	12
294	Protein microencapsulation of nonaqueous liquids. Journal of the American Chemical Society, 1990, 112, 7807-7809.	13.7	256
295	Shape Selective Oxidation as a Mechanistic Probe. , 1990, , 209-215.		1
296	The effects of ultrasound on nickel and copper powders. Solid State Ionics, 1989, 32-33, 444-452.	2.7	43
297	The Chemical Effects of Ultrasound. Scientific American, 1989, 260, 80-86.	1.0	762
298	Sonoluminescence from nonaqueous liquids: emission from small molecules. Journal of the American Chemical Society, 1989, 111, 6987-6992.	13.7	111
299	Ultrasonic irradiation of copper powder. Chemistry of Materials, 1989, 1, 6-8.	6.7	38
300	The sonochemistry of zinc powder. Journal of the American Chemical Society, 1989, 111, 2342-2344.	13.7	92
301	Actinide bis(porphyrinate) .pi.-radical cations and dications, including the x-ray crystal structure of [(TPP)2Th][SbCl6]. Journal of the American Chemical Society, 1988, 110, 2011-2012.	13.7	67
302	Heterogeneous sonocatalysis with nickel powder. Journal of the American Chemical Society, 1987, 109, 3459-3461.	13.7	149
303	Sonochemistry of Organometallic Compounds. ACS Symposium Series, 1987, , 191-208.	0.5	7
304	Regioselective epoxidations of dienes with manganese(III) porphyrin catalysts. Journal of the Chemical Society Chemical Communications, 1987, , 200.	2.0	60
305	The enhancement of intercalation reactions by ultrasound. Journal of the Chemical Society Chemical Communications, 1987, , 900.	2.0	56
306	Photochemistry of (5,10,15,20-tetraphenylporphyrinato)iron(III) halide complexes, Fe(TPP)(X). Journal of the American Chemical Society, 1987, 109, 1243-1244.	13.7	83

#	Article	IF	Citations
307	Photocatalytic oxidation of hydrocarbons by (5,10,15,20-tetraphenylporphyrinato)manganese(II) perchlorate and periodate. Journal of the American Chemical Society, 1987, 109, 2818-2819.	13.7	47
308	Synthesis and characterization of actinide mono and bis porphyrin complexes. Inorganic Chemistry, 1987, 26, 343-344.	4.0	61
309	The kinetics of Mo(CO)6 substitution monitored by Fourier transform infrared spectrophotometry: A physical chemistry experiment. Journal of Chemical Education, 1987, 64, 547.	2.3	2
310	Effects of high intensity ultrasound on inorganic solids. Ultrasonics, 1987, 25, 56-59.	3.9	132
311	Sonoluminescence from non-aqueous liquids. Nature, 1987, 330, 553-555.	27.8	109
312	The Site of Sonochemical Reactions. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1986, 33, 143-147.	3.0	76
313	Organometallic Sonochemistry. Advances in Organometallic Chemistry, 1986, , 73-119.	1.0	82
314	Characterization of very large polyoxoanions by fast atom bombardment mass spectroscopy (FABMS). Inorganic Chemistry, 1986, 25, 241-243.	4.0	43
315	Sonochemical hot spot. Journal of the American Chemical Society, 1986, 108, 5641-5642.	13.7	1,133
316	Shape-selective alkane hydroxylation by metalloporphyrin catalysts. Journal of the American Chemical Society, 1986, 108, 7281-7286.	13.7	275
317	Modern Synthetic Methods 1986. Modern Synthetic Methods, 1986, , .	4.8	8
318	Ultrasound in Synthesis. Modern Synthetic Methods, 1986, , 1-60.	4.8	60
319	Shape-selective alkane hydroxylation. Journal of the Chemical Society Chemical Communications, 1985, , 580.	2.0	31
320	Alternative iron-dioxygen bond lengths in dioxygen adducts of iron porphyrins: implications for hemoglobin cooperativity. Journal of the American Chemical Society, 1985, 107, 2370-2373.	13.7	30
321	The synthetic analogs of O2-binding heme proteins. Journal of Chemical Education, 1985, 62, 974.	2.3	78
322	(.mu.-Nitrido)bis[(5,10,15,20-tetraphenylporphyrinato)iron](2+), an iron(IV) porphyrin .pi.-radical cation. Inorganic Chemistry, 1985, 24, 121-122.	4.0	31
323	A non-coercive, menu driven grading scheme. Journal of Chemical Education, 1985, 62, 408.	2.3	2
324	Sonochemistry in non-aqueous liquids. Ultrasonics, 1984, 22, 33-36.	3.9	110

#	Article	IF	Citations
325	Sonochemical activation of transition metals. Journal of the American Chemical Society, 1984, 106, 6856-6858.	13.7	58
326	Influences on carbon monoxide and dioxygen binding to iron(II) porphyrins. Journal of the American Chemical Society, 1984, 106, 4522-4525.	13.7	50
327	Fast atom bombardment mass spectroscopy (FABMS) of polyoxoanions. Journal of the American Chemical Society, 1984, 106, 5750-5751.	13.7	66
328	Resonance Raman spectra of high oxidation state iron porphyrin dimers. Inorganic Chemistry, 1984, 23, 3897-3901.	4.0	14
329	Low-spin five-coordinate ferric porphyrin complex: [5, 10, 15, 20-tetrakis(4-methoxyphenyl)porphyrinato](hydrosulfido)iron(III). Journal of the American Chemical Society, 1984, 106, 7258-7259.	13.7	51
330	Interaction of dioxygen with binuclear nitride-bridged iron porphyrins. Inorganic Chemistry, 1984, 23, 800-807.	4.0	33
331	New synthetic analogs of heme proteins. Inorganica Chimica Acta, 1983, 79, 109-110.	2.4	2
332	Alkane sonochemistry. The Journal of Physical Chemistry, 1983, 87, 2299-2301.	2.9	174
333	Moessbauer spectra of oxidized iron porphyrins. Inorganic Chemistry, 1983, 22, 367-368.	4.0	63
334	A bis-pocket porphyrin. Journal of the American Chemical Society, 1983, 105, 3507-3510.	13.7	76
335	Sonochemistry of dimanganese decacarbonyl (Mn2(CO)10) and dirhenium decacarbonyl (Re2(CO)10). Journal of the American Chemical Society, 1983, 105, 6042-6044.	13.7	53
336	Sonochemistry and sonocatalysis of metal carbonyls. Journal of the American Chemical Society, 1983, 105, 5781-5785.	13.7	132
337	Sonochemistry and sonocatalysis of iron carbonyls. Journal of the American Chemical Society, 1981, 103, 7342-7344.	13.7	77
338	Resonance Raman spectra of (dioxygen)(porphyrinato)(hindered imidazole)iron(II) complexes: implications for hemoglobin cooperativity. Journal of the American Chemical Society, 1980, 102, 6857-6858.	13.7	52
339	Models for the active site of oxygen-binding hemoproteins. Dioxygen binding properties and the structures of (2-methylimidazole)-meso-tetra(.alpha.,.alpha.,.alpha.,.alpha.-o-pivalamidophenyl)porphyrinatoiron(II)-ethanol and its dioxygen adduct. Journal of the American Chemical Society, 1980, 102, 3224-3237.	13.7	233
340	MODELS FOR COOPERATIVE OXYGEN BINDING IN HEMOGLOBIN. , 1979, , 951-961.		0
341	Oxygen binding to cobalt porphyrins. Journal of the American Chemical Society, 1978, 100, 2761-2766.	13.7	185
342	Structural changes upon oxygenation of an iron(II)(porphyrinato)(imidazole) complex. Journal of the American Chemical Society, 1978, 100, 6769-6770.	13.7	92

#	Article	IF	Citations
343	Models for cooperative oxygen binding in hemoglobin. Pure and Applied Chemistry, 1978, 50, 951-961.	1.9	16
344	Nature of O2 and CO binding to metalloporphyrins and heme proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1976, 73, 3333-3337.	7.1	333
345	Oxygen binding to iron porphyrins. Journal of the American Chemical Society, 1975, 97, 7185-7186.	13.7	67
346	Opto-electronic nose sniffs out toxic gases. SPIE Newsroom, 0, , .	0.1	0