Nicholas Leventis

List of Publications by Year
in descending order

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140 papers	6,864 citations	57758 44 h-index	66911 78 g-index
144 all docs	144 docs citations	144 times ranked	4525 citing authors

#	Article	IF	Citations
1	Polyurea Aerogels: Synthesis, Material Properties, and Applications. Polymers, 2022, 14, 969.	4.5	19
2	Noninvasive Detection, Tracking, and Characterization of Aerogel Implants Using Diagnostic Ultrasound. Polymers, 2022, 14, 722.	4.5	4
3	Low-temperature catalytic synthesis of graphite aerogels from polyacrylonitrile-crosslinked iron oxide and cobalt oxide xerogel powders. Carbon, 2022, 193, 107-127.	10.3	6
4	Preparation of Carbon Aerogels from Polymer-Cross-Linked Xerogel Powders without Supercritical Fluid Drying and Their Application in Highly Selective CO₂ Adsorption. Chemistry of Materials, 2022, 34, 4828-4847.	6.7	8
5	Metamaterial-like aerogels for broadband vibration mitigation. Soft Matter, 2021, 17, 4496-4503.	2.7	6
6	Meta-Aerogels: Auxetic Shape-Memory Polyurethane Aerogels. ACS Applied Polymer Materials, 2021, 3, 5727-5738.	4.4	15
7	Synthesis of aerogel foams through a pressurized sol-gel method. Polymer, 2020, 208, 122925.	3.8	7
8	Nerve Response to Superelastic Shape Memory Polyurethane Aerogels. Polymers, 2020, 12, 2995.	4.5	13
9	Transparent, mechanically strong, thermally insulating cross-linked silica aerogels for energy-efficient windows. Journal of Sol-Gel Science and Technology, 2019, 92, 84-100.	2.4	34
10	Low-Cost, Ambient-Dried, Superhydrophobic, High Strength, Thermally Insulating, and Thermally Resilient Polybenzoxazine Aerogels. ACS Applied Polymer Materials, 2019, 1, 2322-2333.	4.4	37
11	Polyurethane Aerogels Based on Cyclodextrins: High-Capacity Desiccants Regenerated at Room Temperature by Reducing the Relative Humidity of the Environment. ACS Applied Materials & Interfaces, 2019, 11, 34292-34304.	8.0	8
12	Experimental deconvolution of depressurization from capillary shrinkage during drying of silica wet-gels with SCF CO2 why aerogels shrink?. Journal of Sol-Gel Science and Technology, 2019, 92, 662-680.	2.4	16
13	Piezoresistive geopolymer enabled by crack-surface coating. Materials Letters, 2019, 255, 126582.	2.6	2
14	A Cobalt Sunrise: Thermites Based on LiClO₄-Filled Co(0) Aerogels Prepared from Polymer-Cross-Linked Cobaltia Xerogel Powders. ACS Applied Materials & Interfaces, 2019, 11, 22668-22676.	8.0	19
15	K-Index: A Descriptor, Predictor, and Correlator of Complex Nanomorphology to Other Material Properties. ACS Nano, 2019, 13, 3677-3690.	14.6	29
16	Light scattering and haze in TMOS-co-APTES silica aerogels. Journal of Sol-Gel Science and Technology, 2019, 90, 127-139.	2.4	21
17	Bioinspired strong nanocellular composite prepared with magnesium phosphate cement and polyurea aerogel. Materials Letters, 2019, 237, 274-277.	2.6	9
18	Exceptionally High CO₂ Adsorption at 273 K by Microporous Carbons from Phenolic Aerogels: The Role of Heteroatoms in Comparison with Carbons from Polybenzoxazine and Other Organic Aerogels. Macromolecular Chemistry and Physics, 2019, 220, 1800333.	2.2	25

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19	Sound Transmission Loss Enhancement in an Inorganicâ€Organic Laminated Wall Panel Using Multifunctional Lowâ€Density Nanoporous Polyurea Aerogels: Experiment and Modeling. Advanced Engineering Materials, 2018, 20, 1700937.	3.5	15
20	Sturdy, Monolithic SiC and Si₃N₄ Aerogels from Compressed Polymer-Cross-Linked Silica Xerogel Powders. Chemistry of Materials, 2018, 30, 1635-1647.	6.7	59
21	Nanostructure-Dependent Marcus-Type Correlation of the Shape Recovery Rate and the Youngâ€™s Modulus in Shape Memory Polymer Aerogels. ACS Applied Materials & Interfaces, 2018, 10, 23321-23334.	8.0	33
22	Multi-scale progressive failure mechanism and mechanical properties of nanofibrous polyurea aerogels. Soft Matter, 2018, 14, 7801-7808.	2.7	16
23	Scalable, hydrophobic and highly-stretchable poly(isocyanurateâ€“urethane) aerogels. RSC Advances, 2018, 8, 21214-21223.	3.6	26
24	Selective CO₂ Sequestration with Monolithic Bimodal Micro/Macroporous Carbon Aerogels Derived from Stepwise Pyrolytic Decomposition of Polyamide-Polyimide-Polyurea Random Copolymers. ACS Applied Materials & Interfaces, 2017, 9, 13520-13536.	8.0	48
25	Shape Memory Superelastic Poly(isocyanurate-urethane) Aerogels (PIR-PUR) for Deployable Panels and Biomimetic Applications. Chemistry of Materials, 2017, 29, 4461-4477.	6.7	56
26	Sound insulation properties in low-density, mechanically strong and ductile nanoporous polyurea aerogels. Journal of Non-Crystalline Solids, 2017, 476, 36-45.	3.1	34
27	Air-oxidation of phenolic resin aerogels: backbone reorganization, formation of ring-fused pyrylium cations, and the effect on microporous carbons with enhanced surface areas. RSC Advances, 2017, 7, 51104-51120.	3.6	25
28	Economical synthesis of vanadia aerogels via epoxide-assisted gelation of VOCl3. Journal of Sol-Gel Science and Technology, 2016, 77, 244-256.	2.4	15
29	Reuseable Monolithic Nanoporous Graphite-Supported Nanocatalysts (Fe, Au, Pt, Pd, Ni, and Rh) from Pyrolysis and Galvanic Transmetalation of Ferrocene-Based Polyamide Aerogels. Chemistry of Materials, 2016, 28, 4867-4877.	6.7	33
30	Nanoporous Polyurea from a Triisocyanate and Boric Acid: A Paradigm of a General Reaction Pathway for Isocyanates and Mineral Acids. Chemistry of Materials, 2016, 28, 67-78.	6.7	34
31	Explosive versus Thermite Behavior in Iron(0) Aerogels Infiltrated with Perchlorates. Chemistry of Materials, 2015, 27, 8126-8137.	6.7	16
32	Synthesis and mechanical characterization of mechanically strong, polyurea-crosslinked, ordered mesoporous silica aerogels. Journal of Sol-Gel Science and Technology, 2015, 75, 98-123.	2.4	34
33	Polydicyclopentadiene aerogels from first- versus second-generation Grubbsâ€™ catalysts: a molecular versus a nanoscopic perspective. Journal of Sol-Gel Science and Technology, 2015, 75, 460-474.	2.4	22
34	Flexible Aerogels from Hyperbranched Polyurethanes: Probing the Role of Molecular Rigidity with Poly(Urethane Acrylates) Versus Poly(Urethane Norbornenes). Chemistry of Materials, 2014, 26, 6979-6993.	6.7	65
35	Polybenzoxazine Aerogels. 2. Interpenetrating Networks with Iron Oxide and the Carbothermal Synthesis of Highly Porous Monolithic Pure Iron(0) Aerogels as Energetic Materials. Chemistry of Materials, 2014, 26, 1318-1331.	6.7	68
36	Polybenzoxazine Aerogels. 1. High-Yield Room-Temperature Acid-Catalyzed Synthesis of Robust Monoliths, Oxidative Aromatization, and Conversion to Microporous Carbons. Chemistry of Materials, 2014, 26, 1303-1317.	6.7	89

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37	Cocoon-in-Web-Like Superhydrophobic Aerogels from Hydrophilic Polyurea and Use in Environmental Remediation. ACS Applied Materials & Interfaces, 2014, 6, 6872-6882.	8.0	87
38	Evaluation of Dysprosia Aerogels as Drug Delivery Systems: A Comparative Study with Random and Ordered Mesoporous Silicas. ACS Applied Materials & Interfaces, 2014, 6, 4891-4902.	8.0	31
39	Synthesis, optical properties and photovoltaic applications of hybrid rodâ€“coil diblock copolymers with coordinatively attached CdSe nanocrystals. RSC Advances, 2014, 4, 35823-35832.	3.6	11
40	Fractal Multiscale Nanoporous Polyurethanes: Flexible to Extremely Rigid Aerogels from Multifunctional Small Molecules. Chemistry of Materials, 2013, 25, 3205-3224.	6.7	120
41	Breaking Aggregation and Driving the Keto-to-gem-Diol Equilibrium of the N,Nâ€²-Dimethyl-2,6-diaza-9,10-anthraquinonediium Dication to the Keto Form by Intercalation in Cucurbit[7]uril. Journal of Organic Chemistry, 2013, 78, 8297-8304.	3.2	7
42	Luminescent LaF3:Ce-doped organically modified nanoporous silica xerogels. Journal of Applied Physics, 2013, 113, .	2.5	8
43	Polydicyclopentadiene aerogels grafted with PMMA: I. Molecular and interparticle crosslinking. Soft Matter, 2013, 9, 1516-1530.	2.7	43
44	Correlation of microstructure and thermal conductivity in nanoporous solids: The case of polyurea aerogels synthesized from an aliphatic tri-isocyanate and water. Journal of Non-Crystalline Solids, 2013, 368, 105-111.	3.1	38
45	Polydicyclopentadiene aerogels grafted with PMMA: II. Nanoscopic characterization and origin of macroscopic deformation. Soft Matter, 2013, 9, 1531-1539.	2.7	36
46	Robust monolithic multiscale nanoporous polyimides and conversion to isomorphic carbons. RSC Advances, 2013, 3, 26459.	3.6	43
47	Microstructural Characteristics of Polyurea and Polyurethanexerogels for Concrete Confinement with FRP System. Advanced Materials Research, 2013, 742, 237-242.	0.3	8
48	Characterization of the Biocompatibility and Mechanical Properties of Polyurea Organic Aerogels with the Vascular System: Potential as a Blood Implantable Material. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 109-118.	3.4	17
49	In Vivo Ultrasonic Detection of Polyurea Crosslinked Silica Aerogel Implants. PLoS ONE, 2013, 8, e66348.	2.5	45
50	One Pot Synthesis of Multifunctional Aramid Aerogels. Materials Research Society Symposia Proceedings, 2012, 1403, 126.	0.1	2
51	Orientation of Pyrylium Guests in Cucurbituril Hosts. Journal of Organic Chemistry, 2012, 77, 2263-2271.	3.2	21
52	From Flexible to Hard Polyurethane Aerogels: The Effect of Molecular Functionality vs. Molecular Rigidity. Materials Research Society Symposia Proceedings, 2012, 1403, 114.	0.1	2
53	Characterization of the Physical Properties and Biocompatibility of Polybenzoxazine-Based Aerogels for Use as a Novel Hard-Tissue Scaffold. Journal of Biomaterials Science, Polymer Edition, 2012, ahead-of-print, 1-14.	3.5	11
54	Resonant Two-Photon Oxidation in Vanadium Oxyhydrate Nanowires above a Threshold Laser Intensity. Journal of Physical Chemistry C, 2012, 116, 10186-10192.	3.1	6

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55	From â€˜Greenâ€™ Aerogels to Porous Graphite by Emulsion Gelation of Acrylonitrile. Chemistry of Materials, 2012, 24, 26-47.	6.7	49
56	Robust PEDOT films by covalent bonding to substrates using in tandem solâ€“gel, surface initiated free-radical and redox polymerization. Journal of Materials Chemistry, 2012, 22, 100-108.	6.7	23
57	Monolithic Hierarchical Fractal Assemblies of Silica Nanoparticles Cross-Linked with Polynorbornene via ROMP: A Structureâ€“Property Correlation from Molecular to Bulk through Nano. Chemistry of Materials, 2012, 24, 3434-3448.	6.7	73
58	Investigation of Polyurea-Crosslinked Silica Aerogels as a Neuronal Scaffold: A Pilot Study. PLoS ONE, 2012, 7, e33242.	2.5	38
59	Histological Evaluation of the Biocompatibility of Polyurea Crosslinked Silica Aerogel Implants in a Rat Model: A Pilot Study. PLoS ONE, 2012, 7, e50686.	2.5	36
60	Fabrication of functionally graded aerogels, cellular aerogels and anisotropic ceramics. Journal of Materials Chemistry, 2011, 21, 11737.	6.7	25
61	Multifunctional porous aramids (aerogels) by efficient reaction of carboxylic acids and isocyanates. Journal of Materials Chemistry, 2011, 21, 11981.	6.7	84
62	Polyimide Aerogels by Ring-Opening Metathesis Polymerization (ROMP). Chemistry of Materials, 2011, 23, 2250-2261.	6.7	134
63	Micromachining of polyurea aerogel using femtosecond laser pulses. Journal of Non-Crystalline Solids, 2011, 357, 186-193.	3.1	20
64	Spectroscopic evaluation of polyurea crosslinked aerogels, as a substitute for RTV-based chromatic calibration targets for spacecraft. Advances in Space Research, 2011, 47, 419-427.	2.6	16
65	Isocyanate-Derived Organic Aerogels: Polyureas, Polyimides, Polyamides. Materials Research Society Symposia Proceedings, 2011, 1306, 1.	0.1	10
66	Polymer-Crosslinked Aerogels. , 2011, , 251-285.		22
67	Interpenetrating Organic/Inorganic Networks of Resorcinol-Formaldehyde/Metal Oxide Aerogels. , 2011, , 287-313.		5
68	Mechanical Characterization of Aerogels. , 2011, , 499-535.		19
69	The effect of compactness on the carbothermal conversion of interpenetrating metal oxide/resorcinol-formaldehyde nanoparticle networks to porous metals and carbides. Journal of Materials Chemistry, 2010, 20, 7456.	6.7	100
70	Click Synthesis of Monolithic Silicon Carbide Aerogels from Polyacrylonitrile-Coated 3D Silica Networks. Chemistry of Materials, 2010, 22, 2790-2803.	6.7	167
71	One-step room-temperature synthesis of fibrous polyimide aerogels from anhydrides and isocyanates and conversion to isomorphic carbons. Journal of Materials Chemistry, 2010, 20, 9666.	6.7	134
72	Multifunctional Polyurea Aerogels from Isocyanates and Water. A Structureâ^'Property Case Study. Chemistry of Materials, 2010, 22, 6692-6710.	6.7	163

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73	Simultaneous Electron Transfer from Free and Intercalated 4-Benzoylpyridinium Cations in Cucurbit[7]uril. Organic Letters, 2009, 11, 1595-1598.	4.6	23
74	Smelting in the age of nano: iron aerogels. Journal of Materials Chemistry, 2009, 19, 63-65.	6.7	91
75	One-Pot Synthesis of Interpenetrating Inorganic/Organic Networks of CuO/Resorcinol-Formaldehyde Aerogels: Nanostructured Energetic Materials. Journal of the American Chemical Society, 2009, 131, 4576-4577.	13.7	131
76	Synthesis and characterization of the physical, chemical and mechanical properties of isocyanate-crosslinked vanadia aerogels. Journal of Sol-Gel Science and Technology, 2008, 48, 113-134.	2.4	59
77	Redox reactivity and comprehensive synthetic chemistry of the perchloroditungstate [W2(Î¼-Cl)3Cl6]nâ^' (n=3, 2, 1) anions in organic media. Polyhedron, 2008, 27, 2859-2866.	2.2	2
78	Polymer nano-encapsulation of templated mesoporous silica monoliths with improved mechanical properties. Journal of Non-Crystalline Solids, 2008, 354, 632-644.	3.1	62
79	Cross-Linking 3D Assemblies of Nanoparticles into Mechanically Strong Aerogels by Surface-Initiated Free-Radical Polymerization. Chemistry of Materials, 2008, 20, 5035-5046.	6.7	112
80	Macroporous Electrically Conducting Carbon Networks by Pyrolysis of Isocyanate-Cross-Linked Resorcinol-Formaldehyde Aerogels. Chemistry of Materials, 2008, 20, 6985-6997.	6.7	93
81	Control of the Ketone to gem-Diol Equilibrium by Hostâ^'Guest Interactions. Organic Letters, 2008, 10, 1131-1134.	4.6	26
82	Immobilization of Pd Catalysts on Mesoporous Silica for Amine- and Copper-Free Sonogashira Coupling Reactions. Synthetic Communications, 2008, 38, 2285-2298.	2.1	14
83	Modeling and Numerical Simulation of Magnetic Field Coupled Electrochemical Processes. ECS Transactions, 2008, 13, 33-43.	0.5	4
84	Funnel-like Flow Generated Electrochemically in Paramagnetic Media by the Two Paramagnetic Body Forces. ECS Transactions, 2008, 13, 25-31.	0.5	1
85	Quantum dots by ultraviolet and x-ray lithography. Nanotechnology, 2007, 18, 315603.	2.6	51
86	Time-Efficient Acid-Catalyzed Synthesis of Resorcinolâ^'Formaldehyde Aerogels. Chemistry of Materials, 2007, 19, 6138-6144.	6.7	164
87	Three-Dimensional Core-Shell Superstructures: Mechanically Strong Aerogels. Accounts of Chemical Research, 2007, 40, 874-884.	15.6	288
88	Stresses at the Interface of Micro with Nano. Journal of the American Chemical Society, 2007, 129, 10660-10661.	13.7	27
89	Polymer nanoencapsulated rare earth aerogels: chemically complex but stoichiometrically similar coreâ€"shell superstructures with skeletal properties of pure compounds. Journal of Materials Chemistry, 2007, 17, 1502-1508.	6.7	68
90	Structureâ^'Property Relationships in Porous 3D Nanostructures as a Function of Preparation Conditions:Â Isocyanate Cross-Linked Silica Aerogels. Chemistry of Materials, 2007, 19, 2247-2260.	6.7	164

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91	Mass transfer effects on the electropolymerization current efficiency of 3-methylthiophene in the magnetic field. Journal of Solid State Electrochemistry, 2007, 11, 727-735.	2.5	8
92	Hydrophobic monolithic aerogels by nanocasting polystyrene on amine-modified silica. Journal of Materials Chemistry, 2006, 16, 3046.	6.7	125
93	Chemical, Physical, and Mechanical Characterization of Isocyanate Cross-linked Amine-Modified Silica Aerogels. Chemistry of Materials, 2006, 18, 285-296.	6.7	259
94	Protection of 2-(3-thienyl)ethanol with 3-thienylacetic acid and hard cross-linked conducting films by electropolymerization of the ester. Synthetic Metals, 2006, 156, 966-972.	3.9	8
95	Flexible, low-density polymer crosslinked silica aerogels. Polymer, 2006, 47, 5754-5761.	3.8	136
96	Synthesis and near IR photoluminescence of Os(II) bis(2,2â€²-bipyridine) (3,8-diarylethynyl-1,10-phenanthroline) complexes: anomalous behavior in the 3,8-dinitrophenylethynyl-substituted homologue. Inorganica Chimica Acta, 2005, 358, 389-395.	2.4	10
97	Non-additive voltammetric currents from multicomponent systems of redox-active substances. Electrochimica Acta, 2005, 50, 4134-4139.	5.2	5
98	Nanoengineered Silica-Polymer Composite Aerogels with No Need for Supercritical Fluid Drying. Journal of Sol-Gel Science and Technology, 2005, 35, 99-105.	2.4	80
99	Magnetic Field Effects on the Open Circuit Potential of Ferromagnetic Electrodes in Corroding Solutions. Journal of Physical Chemistry B, 2005, 109, 11065-11073.	2.6	22
100	Demonstration of the Elusive Concentration-Gradient Paramagnetic Force. Journal of the American Chemical Society, 2005, 127, 4988-4989.	13.7	53
101	Cross-linking Amine-Modified Silica Aerogels with Epoxies:Â Mechanically Strong Lightweight Porous Materials. Chemistry of Materials, 2005, 17, 1085-1098.	6.7	331
102	Ru(II) Tris(3,8â€Dibromoâ€1,10â€Phenanthroline)â€”A New Versatile Core for the Divergent Synthesis of Hyperbranched Systems. Synthetic Communications, 2004, 34, 3491-3496.	2.1	4
103	Redox-Active Star Molecules Incorporating the 4-Benzoylpyridinium Cation:Â Implications for the Charge Transfer Efficiency along Branches vs Across the Perimeter in Dendrimers. Journal of the American Chemical Society, 2004, 126, 4094-4095.	13.7	17
104	Multiple Substitution Effects and Three-Dimensional Nonlinear Free-Energy Relationships in the Electrochemical Reduction of theN,Nâ€˜-Dibenzyl Viologen and the 4-Benzoyl-N-benzylpyridinium Cation. Journal of Physical Chemistry B, 2004, 108, 11228-11235.	2.6	4
105	Synthesis and Characterization of Ru(II) Tris(1,10-phenanthroline)-Electron Acceptor Dyads Incorporating the 4-Benzoyl-N-methylpyridinium Cation orN-Benzyl-Nâ€˜-methyl Viologen. Improving the Dynamic Range, Sensitivity, and Response Time of Solâ€”Gel-Based Optical Oxygen Sensors. Chemistry of Materials, 2004, 16, 1493-1506.	6.7	61
106	Arylethynyl Substituted 9,10-Anthraquinones:Â Tunable Stokes Shifts by Substitution and Solvent Polarity. Chemistry of Materials, 2004, 16, 3457-3468.	6.7	47
107	Isocyanate-crosslinked silica aerogel monoliths: preparation and characterization. Journal of Non-Crystalline Solids, 2004, 350, 152-164.	3.1	221
108	Electrochemical reduction of 4-benzoyl-N-(4-substituted benzyl)pyridinium cations: substitution effects and linear free energy relationships. Electrochimica Acta, 2003, 48, 2799-2806.	5.2	6

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109	Nonadditive Voltammetric Currents from Two Redox-Active Substances and Electroanalytical Implications. Analytical Chemistry, 2003, 75, 4996-5005.	6.5	11
110	Formation and Entrapment of Noble Metal Clusters in Silica Aerogel Monoliths by Î³-Radiolysis. Journal of Physical Chemistry B, 2003, 107, 465-469.	2.6	36
111	Coupling of 3,8-Dibromo-1,10-phenanthroline with 3,5-Diethynylheptyloxybenzene: A Suzuki/Miyaura Versus a Sonogashira Perspective. Synthetic Communications, 2003, 33, 3317-3325.	2.1	3
112	Synthesis of Aerogel-Metal Cluster Composites by Gamma Radiolysis. Materials Research Society Symposia Proceedings, 2002, 740, 1.	0.1	0
113	Synthesis and Spectroscopic Properties of the Elusive 3a,9a-Diazaperylenium Dication. Organic Letters, 2002, 4, 4113-4116.	4.6	6
114	Tuning the Redox Chemistry of 4-Benzoyl-N-methylpyridinium Cations through Para Substitution. Hammett Linear Free Energy Relationships and the Relative Aptitude of the Two-Electron Reduced Forms for H-Bonding. Journal of Organic Chemistry, 2002, 67, 7501-7510.	3.2	27
115	Ndâ^'Feâ^'B Permanent Magnet Electrodes. Theoretical Evaluation and Experimental Demonstration of the Paramagnetic Body Forces. Journal of the American Chemical Society, 2002, 124, 1079-1088.	13.7	52
116	Nanoengineering Strong Silica Aerogels. Nano Letters, 2002, 2, 957-960.	9.1	478
117	Using Nanoscopic Hosts, Magnetic Guests, and Field Alignment to Create Anisotropic Composite Gels and Aerogels. Nano Letters, 2002, 2, 63-67.	9.1	32
118	Photolithographic Patterning and Doping of Silica Xerogel Films. Journal of Sol-Gel Science and Technology, 2002, 23, 235-245.	2.4	19
119	One-step synthesis and redox properties of dodecahydro-3a,9a-diazaperyleneâ€"the most easily oxidized p-phenylenediamine. Chemical Communications, 2001, , 1742-1743.	4.1	18
120	Magnetohydrodynamic Electrochemistry in the Field of Ndâ^'Feâ^'B Magnets. Theory, Experiment, and Application in Self-Powered Flow Delivery Systems. Analytical Chemistry, 2001, 73, 3981-3992.	6.5	94
121	The Redox Chemistry of 4-Benzoyl-N-methylpyridinium Cations in Acetonitrile with and without Proton Donors:Â The Role of Hydrogen Bonding. Journal of Physical Chemistry B, 2001, 105, 3663-3674.	2.6	21
122	Relative reactivity of vitamin A versus a mixture of Î²-carotene geometric isomers with electrochemically generated superoxide and hydroperoxyl radicals. Electrochimica Acta, 2001, 47, 567-576.	5.2	5
123	A cyclic voltammetric study of the proton abstraction from selected aromatic ketones by superoxide. Electrochimica Acta, 2000, 45, 2049-2059.	5.2	20
124	Steady-State Voltammetry with Stationary Disk Millielectrodes in Magnetic Fields:Â Nonlinear Dependence of the Mass-Transfer Limited Current on the Electron Balance of the Faradaic Process. Journal of Physical Chemistry B, 1999, 103, 5832-5840.	2.6	65
125	Durable Modification of Silica Aerogel Monoliths with Fluorescent 2,7-Diazapyrenium Moieties. Sensing Oxygen near the Speed of Open-Air Diffusion. Chemistry of Materials, 1999, 11, 2837-2845.	6.7	163
126	Electrochemistry with Stationary Disk and Ringâ^'Disk Millielectrodes in Magnetic Fieldsâ€. Journal of Physical Chemistry B, 1998, 102, 3512-3522.	2.6	93

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127	Characterization of 3 Ã— 3 Matrix Arrays of Solutionâ€Phase Electrochromic Cells. Journal of the Electrochemical Society, 1998, 145, L55-L58.	2.9	45
128	Electrochemically Assisted Solâ^'Gel Process for the Synthesis of Polysiloxane Films Incorporating Phenothiazine Dyes Analogous to Methylene Blue. Structure and Ion-Transport Properties of the Films via Spectroscopic and Electrochemical Characterization. Chemistry of Materials, 1997, 9, 2621-2631.	6.7	54
129	A Three-Dimensional Energy Surface for the Conformational Inversion of Cyclohexane. Journal of Chemical Education, 1997, 74, 813.	2.3	34
130	Synthesis of Substituted Phenothiazines Analogous to Methylene Blue by Electrophilic and Nucleophilic Aromatic Substitutions in Tandem. A Mechanistic Perspective.. Tetrahedron, 1997, 53, 10083-10092.	1.9	15
131	Relative Stabilities and Reactivities of Isolated Versus Conjugated Alkenes: Reconciliation Via a Molecular Orbital Approach. Journal of Chemical Education, 1996, 73, 295.	2.3	0
132	Resonance Raman Spectrum of the Phenanthroline Anion:Â Implications on Electron Delocalization in the MLCT Excited State of Ru(phen)32+. Inorganic Chemistry, 1996, 35, 5104-5106.	4.0	59
133	Preparation and characterization of tungsten trioxide/dibenzyl viologen polymer bilayer electrochromic films. Journal of Materials Chemistry, 1993, 3, 833.	6.7	12
134	Poly(3-methylthiophene)â€“Prussian Blue: a new composite electrochromic material. Journal of Materials Chemistry, 1992, 2, 289-293.	6.7	8
135	New complementary electrochromic system based on poly(pyrrole)-Prussian blue composite, a benzylviologen polymer, and poly(vinylpyrrolidone)/potassium sulfate aqueous electrolyte. Chemistry of Materials, 1992, 4, 1415-1422.	6.7	36
136	Thinâ€Layer Type Electrochemistry and Stability Studies of Prussian Blue Films in nonâ€Aqueous Electrolytes. Journal of the Electrochemical Society, 1991, 138, L21-L23.	2.9	16
137	Characterization of a "solid-state" microelectrochemical diode employing a poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3 (WO3) and polyaniline. Chemistry of Materials, 1990, 2, 568-576.	6.7	11
138	Microfabrication of WO3â€based microelectrochemical devices. Journal of Applied Physics, 1989, 66, 965-968.	2.5	12
139	Slow triplet energy transfer to lower excited states in ruthenium(II) acylpyridine complexes. Journal of the American Chemical Society, 1987, 109, 2188-2190.	13.7	7
140	Photodisproportionation of (4-acylpyridine)tungsten(0) pentacarbonyl complexes. Journal of the American Chemical Society, 1985, 107, 5807-5809.	13.7	7