Jeffrey I Zink

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7081546/publications.pdf

Version: 2024-02-01

169 papers	28,387 citations	9264 74 h-index	5255 165 g-index
173 all docs	173 docs citations	173 times ranked	28748 citing authors

#	Article	IF	Citations
1	Expanding nanoparticle multifunctionality: size-selected cargo release and multiple logic operations. Nanoscale, 2021, 13, 5497-5506.	5.6	5
2	The Epithelialâ€“Mesenchymal Transcription Factor SNAI1 Represses Transcription of the Tumor Suppressor miRNA let-7 in Cancer. Cancers, 2021, 13, 1469.	3.7	15
3	Magnetism, Ultrasound, and Light-Stimulated Mesoporous Silica Nanocarriers for Theranostics and Beyond. Journal of the American Chemical Society, 2021, 143, 6025-6036.	13.7	52
4	Magnetic transitions and structural characteristics of Mn-doped Î±-Fe2O3/silica nanocomposites. AIP Advances, 2021, 11, 065313.	1.3	2
5	Responsive Nanoparticles to Enable a Focused Ultrasound-Stimulated Magnetic Resonance Imaging Spotlight. ACS Nano, 2021, 15, 14618-14630.	14.6	4
6	Use of Ferritin Capped Mesoporous Silica Nanoparticles for Redox and pH Triggered Drug Release In Vitro and In Vivo. Advanced Functional Materials, 2020, 30, 2002043.	14.9	29
7	Magnetic resonance imaging of high-intensity focused ultrasound-stimulated drug release from a self-reporting core@shell nanoparticle platform. Chemical Communications, 2020, 56, 10297-10300.	4.1	16
8	Synthetic amorphous silica nanoparticles: toxicity, biomedical and environmental implications. Nature Reviews Materials, 2020, 5, 886-909.	48.7	212
9	Probing the Local Nanoscale Heating Mechanism of a Magnetic Core in Mesoporous Silica Drug-Delivery Nanoparticles Using Fluorescence Depolarization. Journal of the American Chemical Society, 2020, 142, 5212-5220.	13.7	35
10	Isoquinoline thiosemicarbazone displays potent anticancer activity with in vivo efficacy against aggressive leukemias. RSC Medicinal Chemistry, 2020, 11, 392-410.	3.9	6
11	Supramolecular Assemblies of Heterogeneous Mesoporous Silica Nanoparticles to Co-deliver Antimicrobial Peptides and Antibiotics for Synergistic Eradication of Pathogenic Biofilms. ACS Nano, 2020, 14, 5926-5937.	14.6	126
12	A nanoparticle enabled focused ultrasound-stimulated magnetic resonance imaging spotlight. Chemical Communications, 2019, 55, 10261-10264.	4.1	5
13	Magnetic Heating Stimulated Cargo Release with Dose Control using Multifunctional MR and Thermosensitive Liposome. Nanotheranostics, 2019, 3, 166-178.	5.2	26
14	Shortwave Infrared Imaging with J-Aggregates Stabilized in Hollow Mesoporous Silica Nanoparticles. Journal of the American Chemical Society, 2019, 141, 12475-12480.	13.7	128
15	Activity and electrochemical properties: iron complexes of the anticancer drug triapine and its analogs. Journal of Biological Inorganic Chemistry, 2019, 24, 621-632.	2.6	12
16	A Responsive Mesoporous Silica Nanoparticle Platform for Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound-Stimulated Cargo Delivery with Controllable Location, Time, and Dose. Journal of the American Chemical Society, 2019, 141, 17670-17684.	13.7	71
17	Magnetically Stimulated Drug Release Using Nanoparticles Capped by Self-Assembling Peptides. ACS Applied Materials & Interfaces, 2019, 11, 43835-43842.	8.0	29
18	Nanoscience and Nanotechnology at UCLA. ACS Nano, 2019, 13, 6127-6129.	14.6	1

#	Article	IF	Citations
19	Supramolecular Nanomachines as Stimuli-Responsive Gatekeepers on Mesoporous Silica Nanoparticles for Antibiotic and Cancer Drug Delivery. Theranostics, 2019, 9, 3341-3364.	10.0	86
20	Nanomachines and Other Caps on Mesoporous Silica Nanoparticles for Drug Delivery. Accounts of Chemical Research, 2019, 52, 1531-1542.	15.6	230
21	Ag(i)-mediated self-assembly of anisotropic rods and plates in the surfactant mixture of CTAB and Pluronics. RSC Advances, 2019, 9, 4380-4389.	3.6	9
22	Nanoparticle Formulation of Moxifloxacin and Intramuscular Route of Delivery Improve Antibiotic Pharmacokinetics and Treatment of Pneumonic Tularemia in a Mouse Model. ACS Infectious Diseases, 2019, 5, 281-291.	3.8	12
23	Spatial, Temporal, and Dose Control of Drug Delivery using Noninvasive Magnetic Stimulation. ACS Nano, 2019, 13, 1292-1308.	14.6	88
24	A molecular cross-linking approach for hybrid metal oxides. Nature Materials, 2018, 17, 341-348.	27.5	90
25	Hyaluronic acid conjugated nanoparticle delivery of siRNA against TWIST reduces tumor burden and enhances sensitivity to cisplatin in ovarian cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1381-1394.	3.3	75
26	Cancer Treatment: Twoâ€Photonâ€Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment (Adv. Healthcare Mater. 7/2018). Advanced Healthcare Materials, 2018, 7, 1870032.	7.6	0
27	Twoâ€Photonâ€Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment. Advanced Healthcare Materials, 2018, 7, e1701248.	7.6	36
28	Creating Lithiumâ€Ion Electrolytes with Biomimetic Ionic Channels in Metalâ€“Organic Frameworks. Advanced Materials, 2018, 30, e1707476.	21.0	230
29	Hard Pd Nanorods in the Soft Surfactant Mixture of CTAB and Pluronics: Seedless Synthesis and Their Self-Assembly. Langmuir, 2018, 34, 4271-4281.	3.5	10
30	Stimuli-Responsive Nanomachines and Caps for Drug Delivery. The Enzymes, 2018, 43, 31-65.	1.7	15
31	Facile Strategy Enabling Both High Loading and High Release Amounts of the Water-Insoluble Drug Clofazimine Using Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 31870-31881.	8.0	51
32	Comparison of the effects of commercial coated and uncoated ZnO nanomaterials and Zn compounds in kidney bean (Phaseolus vulgaris) plants. Journal of Hazardous Materials, 2017, 332, 214-222.	12.4	57
33	A Pathogen-Specific Cargo Delivery Platform Based on Mesoporous Silica Nanoparticles. Journal of the American Chemical Society, 2017, 139, 6663-6668.	13.7	57
34	Nanoparticle delivery of siRNA against TWIST to reduce drug resistance and tumor growth in ovarian cancer models. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 965-976.	3.3	67
35	Engineering nanoparticles for sensing and biomedical applications: a themed collection. Molecular Systems Design and Engineering, 2017, 2, 347-348.	3.4	1
36	In vitro delivery of calcium ions by nanogated mesoporous silica nanoparticles to induce cancer cellular apoptosis. Molecular Systems Design and Engineering, 2017, 2, 384-392.	3.4	12

#	Article	IF	Citations
37	Bisâ€clickable Mesoporous Silica Nanoparticles: Straightforward Preparation of Lightâ€Actuated Nanomachines for Controlled Drug Delivery with Active Targeting. Chemistry - A European Journal, 2016, 22, 9624-9630.	3.3	24
38	Biodegradable Oxamideâ€Phenyleneâ€Based Mesoporous Organosilica Nanoparticles with Unprecedented Drug Payloads for Delivery in Cells. Chemistry - A European Journal, 2016, 22, 14806-14811.	3.3	81
39	Periodic Mesoporous Organosilica Nanoparticles with Controlled Morphologies and High Drug/Dye Loadings for Multicargo Delivery in Cancer Cells. Chemistry - A European Journal, 2016, 22, 9607-9615.	3.3	46
40	Redoxâ€Triggered Release of Moxifloxacin from Mesoporous Silica Nanoparticles Functionalized with Disulfide Snapâ€Tops Enhances Efficacy Against Pneumonic Tularemia in Mice. Small, 2016, 12, 3690-3702.	10.0	80
41	Simultaneous spectroscopic measurements of the interior temperature and induced cargo release from pore-restricted mesoporous silica nanoparticles. Nanoscale, 2016, 8, 10558-10563.	5.6	4
42	Effect of Pore Wall Charge and Probe Molecule Size on Molecular Motion inside Mesoporous Silica Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 23780-23787.	3.1	7
43	Intracellular Delivery: Redox-Triggered Release of Moxifloxacin from Mesoporous Silica Nanoparticles Functionalized with Disulfide Snap-Tops Enhances Efficacy Against Pneumonic Tularemia in Mice (Small 27/2016). Small, 2016, 12, 3740-3740.	10.0	0
44	Analyte-responsive gated hollow mesoporous silica nanoparticles exhibiting inverse functionality and an AND logic response. Nanoscale, 2016, 8, 18296-18300.	5.6	13
45	Frontispiece: Biodegradable Oxamideâ€Phenyleneâ€Based Mesoporous Organosilica Nanoparticles with Unprecedented Drug Payloads for Delivery in Cells. Chemistry - A European Journal, 2016, 22, .	3.3	0
46	EELS Study of Differential Diffusion of Fe and Co in Magnetized Silica Nanocomposites. Journal of Physical Chemistry C, 2016, 120, 25578-25587.	3.1	6
47	Externally Controlled Nanomachines on Mesoporous Silica Nanoparticles for Biomedical Applications. ChemPhysChem, 2016, 17, 1769-1779.	2.1	64
48	Tailored Synthesis of Octopusâ€type Janus Nanoparticles for Synergistic Activelyâ€Targeted and Chemoâ€Photothermal Therapy. Angewandte Chemie, 2016, 128, 2158-2161.	2.0	21
49	Tailored Synthesis of Octopusâ€type Janus Nanoparticles for Synergistic Activelyâ€Targeted and Chemoâ€Photothermal Therapy. Angewandte Chemie - International Edition, 2016, 55, 2118-2121.	13.8	236
50	Protein-gold clusters-capped mesoporous silica nanoparticles for high drug loading, autonomous gemcitabine/doxorubicin co-delivery, and in-vivo tumor imaging. Journal of Controlled Release, 2016, 229, 183-191.	9.9	149
51	Nano-QSAR modeling for predicting the cytotoxicity of metal oxide nanoparticles using novel descriptors. RSC Advances, 2016, 6, 25766-25775.	3.6	81
52	Light or Heat? The Origin of Cargo Release from Nanoimpeller Particles Containing Upconversion Nanocrystals under IR Irradiation. Small, 2015, 11, 4165-4172.	10.0	43
53	pHâ€Responsive Isoniazidâ€Loaded Nanoparticles Markedly Improve Tuberculosis Treatment in Mice. Small, 2015, 11, 5066-5078.	10.0	68
54	Tuberculosis: pH-Responsive Isoniazid-Loaded Nanoparticles Markedly Improve Tuberculosis Treatment in Mice (Small 38/2015). Small, 2015, 11, 5065-5065.	10.0	5

#	Article	IF	Citations
55	Engineering the Internal Structure of Magnetic Silica Nanoparticles by Thermal Control. Particle and Particle Systems Characterization, 2015, 32, 307-312.	2.3	14
56	Disulfide-gated mesoporous silica nanoparticles designed for two-photon-triggered drug release and imaging. Journal of Materials Chemistry B, 2015, 3, 6456-6461.	5.8	49
57	Aerosol droplet delivery of mesoporous silica nanoparticles: A strategy for respiratory-based therapeutics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1377-1385.	3.3	30
58	Mesoporous Silica Nanoparticles with pH-Sensitive Nanovalves for Delivery of Moxifloxacin Provide Improved Treatment of Lethal Pneumonic Tularemia. ACS Nano, 2015, 9, 10778-10789.	14.6	109
59	Mesoporous silica nanoparticle delivery of chemically modified siRNA against TWIST1 leads to reduced tumor burden. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1657-1666.	3.3	51
60	Functional Nanovalves on Protein-Coated Nanoparticles for In vitro and In vivo Controlled Drug Delivery. Small, 2015, 11, 319-328.	10.0	65
61	Integration of molecular and enzymatic catalysts on graphene for biomimetic generation of antithrombotic species. Nature Communications, 2014, 5, 3200.	12.8	90
62	Photo-redox activated drug delivery systems operating under two photon excitation in the near-IR. Nanoscale, 2014, 6, 4652-4658.	5.6	43
63	Drug Release from Threeâ€Dimensional Cubic Mesoporous Silica Nanoparticles Controlled by Nanoimpellers. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 588-594.	1.2	13
64	A reversible light-operated nanovalve on mesoporous silica nanoparticles. Nanoscale, 2014, 6, 3335.	5.6	122
65	Twoâ€Photonâ€Triggered Drug Delivery via Fluorescent Nanovalves. Small, 2014, 10, 1752-1755.	10.0	106
66	Probing the Microenvironment in the Confined Pores of Mesoporous Silica Nanoparticles. Journal of Physical Chemistry Letters, 2014, 5, 839-842.	4.6	23
67	Taking the Temperature of the Interiors of Magnetically Heated Nanoparticles. ACS Nano, 2014, 8, 5199-5207.	14.6	148
68	Twoâ€Photonâ€Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. Angewandte Chemie - International Edition, 2013, 52, 13813-13817.	13.8	94
69	An Enzymatic Chemical Amplifier Based on Mechanized Nanoparticles. Journal of the American Chemical Society, 2013, 135, 17659-17662.	13.7	37
70	Two-Wave Nanotherapy To Target the Stroma and Optimize Gemcitabine Delivery To a Human Pancreatic Cancer Model in Mice. ACS Nano, 2013, 7, 10048-10065.	14.6	163
71	Activation of Snap-Top Capped Mesoporous Silica Nanocontainers Using Two Near-Infrared Photons. Journal of the American Chemical Society, 2013, 135, 14000-14003.	13.7	132
72	Codelivery of an Optimal Drug/siRNA Combination Using Mesoporous Silica Nanoparticles To Overcome Drug Resistance in Breast Cancer in Vitro and in Vivo. ACS Nano, 2013, 7, 994-1005.	14.6	525

#	Article	IF	Citations
73	pH-Responsive Dual Cargo Delivery from Mesoporous Silica Nanoparticles with a Metal-Latched Nanogate. Inorganic Chemistry, 2013, 52, 2044-2049.	4.0	67
74	Mesoporous Silica Nanoparticle Nanocarriers: Biofunctionality and Biocompatibility. Accounts of Chemical Research, 2013, 46, 792-801.	15.6	801
75	Photophysical pore control in an azobenzene-containing metalâ€“organic framework. Chemical Science, 2013, 4, 2858.	7.4	239
76	Continuous spectroscopic measurements of photo-stimulated release of molecules by nanomachines in a single living cell. Nanoscale, 2012, 4, 3482.	5.6	24
77	Nanovalve-Controlled Cargo Release Activated by Plasmonic Heating. Journal of the American Chemical Society, 2012, 134, 7628-7631.	13.7	211
78	Targeted Intracellular Delivery of Antituberculosis Drugs to Mycobacterium tuberculosis-Infected Macrophages via Functionalized Mesoporous Silica Nanoparticles. Antimicrobial Agents and Chemotherapy, 2012, 56, 2535-2545.	3.2	219
79	Processing Pathway Dependence of Amorphous Silica Nanoparticle Toxicity: Colloidal vs Pyrolytic. Journal of the American Chemical Society, 2012, 134, 15790-15804.	13.7	372
80	Excited state mixed valence in a dualâ€bridged threeâ€chromophore system. Journal of Physical Organic Chemistry, 2012, 25, 578-585.	1.9	3
81	Mesoporous silica nanoparticles in biomedical applications. Chemical Society Reviews, 2012, 41, 2590.	38.1	1,667
82	Use of Metal Oxide Nanoparticle Band Gap To Develop a Predictive Paradigm for Oxidative Stress and Acute Pulmonary Inflammation. ACS Nano, 2012, 6, 4349-4368.	14.6	718
83	Designed Synthesis of CeO₂ Nanorods and Nanowires for Studying Toxicological Effects of High Aspect Ratio Nanomaterials. ACS Nano, 2012, 6, 5366-5380.	14.6	323
84	Stimulated Release of Sizeâ€Selected Cargos in Succession from Mesoporous Silica Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 5460-5465.	13.8	157
85	In vivo tumor suppression efficacy of mesoporous silica nanoparticles-based drug-delivery system: enhanced efficacy by folate modification. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 212-220.	3.3	192
86	Measurement of Uptake and Release Capacities of Mesoporous Silica Nanoparticles Enabled by Nanovalve Gates. Journal of Physical Chemistry C, 2011, 115, 19496-19506.	3.1	54
87	Aspect Ratio Determines the Quantity of Mesoporous Silica Nanoparticle Uptake by a Small GTPase-Dependent Macropinocytosis Mechanism. ACS Nano, 2011, 5, 4434-4447.	14.6	330
88	Use of Size and a Copolymer Design Feature To Improve the Biodistribution and the Enhanced Permeability and Retention Effect of Doxorubicin-Loaded Mesoporous Silica Nanoparticles in a Murine Xenograft Tumor Model. ACS Nano, 2011, 5, 4131-4144.	14.6	446
89	pH-Operated Mechanized Porous Silicon Nanoparticles. Journal of the American Chemical Society, 2011, 133, 8798-8801.	13.7	146
90	Mechanized Silica Nanoparticles: A New Frontier in Theranostic Nanomedicine. Accounts of Chemical Research, 2011, 44, 903-913.	15.6	584

#	Article	IF	Citations
91	Synthesis of Biomoleculeâ€Modified Mesoporous Silica Nanoparticles for Targeted Hydrophobic Drug Delivery to Cancer Cells. Small, 2011, 7, 1816-1826.	10.0	204
92	Improving pore exposure in mesoporous silica films for mechanized control of the pores. Microporous and Mesoporous Materials, 2010, 132, 435-441.	4.4	25
93	Biocompatibility, Biodistribution, and Drugâ€Delivery Efficiency of Mesoporous Silica Nanoparticles for Cancer Therapy in Animals. Small, 2010, 6, 1794-1805.	10.0	947
94	Surface Immobilized Heteroleptic Copper Compounds as State Variables that Show Negative Differential Resistance. Journal of Physical Chemistry Letters, 2010, 1, 589-593.	4.6	15
95	Autonomous in Vitro Anticancer Drug Release from Mesoporous Silica Nanoparticles by pH-Sensitive Nanovalves. Journal of the American Chemical Society, 2010, 132, 12690-12697.	13.7	550
96	Engineered Design of Mesoporous Silica Nanoparticles to Deliver Doxorubicin and P-Glycoprotein siRNA to Overcome Drug Resistance in a Cancer Cell Line. ACS Nano, 2010, 4, 4539-4550.	14.6	817
97	Snap-Top Nanocarriers. Organic Letters, 2010, 12, 3304-3307.	4.6	108
98	Noninvasive Remote-Controlled Release of Drug Molecules in Vitro Using Magnetic Actuation of Mechanized Nanoparticles. Journal of the American Chemical Society, 2010, 132, 10623-10625.	13.7	583
99	Alternate State Variables for Emerging Nanoelectronic Devices. IEEE Nanotechnology Magazine, 2009, 8, 66-75.	2.0	40
100	Antimicrobial Activity of Silver Nanocrystals Encapsulated in Mesoporous Silica Nanoparticles. Advanced Materials, 2009, 21, 1684-1689.	21.0	242
101	Redoxâ€•and pHâ€Controlled Mechanized Nanoparticles. European Journal of Organic Chemistry, 2009, 2009, 1669-1673.	2.4	91
102	Mixed valence of a delocalized system: a resonance Raman study of the tetracyanoquinodimethane radical anion. Journal of Physical Organic Chemistry, 2009, 22, 522-526.	1.9	5
103	Mesostructured Silica for Optical Functionality, Nanomachines, and Drug Delivery. Journal of the American Ceramic Society, 2009, 92, s2-s10.	3.8	101
104	pH Clock-Operated Mechanized Nanoparticles. Journal of the American Chemical Society, 2009, 131, 12912-12914.	13.7	323
105	Mechanised nanoparticles for drug delivery. Nanoscale, 2009, 1, 16.	5.6	481
106	Light-Operated Mechanized Nanoparticles. Journal of the American Chemical Society, 2009, 131, 1686-1688.	13.7	482
107	Dual-Controlled Nanoparticles Exhibiting AND Logic. Journal of the American Chemical Society, 2009, 131, 11344-11346.	13.7	302
108	Polyethyleneimine Coating Enhances the Cellular Uptake of Mesoporous Silica Nanoparticles and Allows Safe Delivery of siRNA and DNA Constructs. ACS Nano, 2009, 3, 3273-3286.	14.6	817

#	Article	IF	Citations
109	Room temperature negative differential resistance of a monolayer molecular rotor device. Applied Physics Letters, 2009, 95, 093503.	3.3	5
110	Mesostructured multifunctional nanoparticles for imaging and drug delivery. Journal of Materials Chemistry, 2009, 19, 6251.	6.7	202
111	Controlled-Access Hollow Mechanized Silica Nanocontainers. Journal of the American Chemical Society, 2009, 131, 15136-15142.	13.7	272
112	Light-activated functional mesostructured silica. Journal of Sol-Gel Science and Technology, 2008, 46, 313-322.	2.4	42
113	InÂsitu fluorescence probing of the chemical and structural changes during formation of hexagonal phase cetyltrimethylammonium bromide and lamellar phase CTAB/Poly(dodecylmethacrylate) solâ€“gel silica thin films. Journal of Sol-Gel Science and Technology, 2008, 47, 300-310.	2.4	10
114	Lightâ€Activated Nanoimpellerâ€Controlled Drug Release in Cancer Cells. Small, 2008, 4, 421-426.	10.0	430
115	Comparison of the Mechanism of Toxicity of Zinc Oxide and Cerium Oxide Nanoparticles Based on Dissolution and Oxidative Stress Properties. ACS Nano, 2008, 2, 2121-2134.	14.6	2,145
116	Enzyme-Responsive Snap-Top Covered Silica Nanocontainers. Journal of the American Chemical Society, 2008, 130, 2382-2383.	13.7	567
117	Multifunctional Inorganic Nanoparticles for Imaging, Targeting, and Drug Delivery. ACS Nano, 2008, 2, 889-896.	14.6	1,758
118	Photo-Driven Expulsion of Molecules from Mesostructured Silica Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 6589-6592.	3.1	219
119	Mesoporous Silica Nanoparticles as a Delivery System for Hydrophobic Anticancer Drugs. Small, 2007, 3, 1341-1346.	10.0	927
120	Construction of a pH-Driven Supramolecular Nanovalve. Organic Letters, 2006, 8, 3363-3366.	4.6	240
121	Supramolecular Nanovalves Controlled by Proton Abstraction and Competitive Binding. Chemistry of Materials, 2006, 18, 5919-5928.	6.7	194
122	A Photoactive Molecular Triad as a Nanoscale Power Supply for a Supramolecular Machine. Chemistry - A European Journal, 2005, 11, 6846-6858.	3.3	106
123	An Operational Supramolecular Nanovalve. Journal of the American Chemical Society, 2004, 126, 3370-3371.	13.7	438
124	Luminescence Properties of Rare-Earth Ions in Organic-Inorganic Hybrid Mesostructured Thin Films. Materials Research Society Symposia Proceedings, 2002, 726, 1.	0.1	0
125	Wavelength Dependence of Photooxidation vs Photofragmentation of Chromocene. Journal of Physical Chemistry A, 2001, 105, 8665-8671.	2.5	16
126	Controlled Placement of Luminescent Molecules and Polymers in Mesostructured Solâ^'Gel Thin Films. Journal of the American Chemical Society, 2001, 123, 1248-1249.	13.7	144

#	Article	IF	Citations
127	Synthesis and electrochromic properties of mesoporous tungsten oxide. Journal of Materials Chemistry, 2001, 11, 92-97.	6.7	245
128	Molecular Motion and Environmental Rigidity in the Framework and Ionic Interface Regions of Mesostructured Silica Thin Films. Journal of Physical Chemistry B, 2001, 105, 10335-10339.	2.6	27
129	Synthesis and Luminescence Spectroscopy of a Series of [Î·5-CpFe(CO)2] Complexes Containing 1,12-Dicarba-closo-dodecaboranyl and -ylene Ligands. Inorganic Chemistry, 2001, 40, 5428-5433.	4.0	22
130	Luminescence of Dimethylgallium(III) Azide. Inorganic Chemistry, 2001, 40, 3252-3254.	4.0	9
131	Working Supramolecular Machines Trapped in Glass and Mounted on a Film Surface. Angewandte Chemie - International Edition, 2001, 40, 2447-2451.	13.8	112
132	Structures of photo-produced transient species. Research on Chemical Intermediates, 2000, 26, 69-84.	2.7	2
133	In Situ Luminescence Probing of the Chemical and Structural Changes during Formation of Dip-Coated Lamellar Phase Sodium Dodecyl Sulfate Solâ^'Gel Thin Films. Journal of the American Chemical Society, 2000, 122, 3739-3745.	13.7	93
134	In Situ Fluorescence Probing of Molecular Mobility and Chemical Changes during Formation of Dip-Coated Solâ^'Gel Silica Thin Films. Chemistry of Materials, 2000, 12, 231-235.	6.7	55
135	Patterned Hexagonal Arrays of Living Cells in Solâ^'Gel Silica Films. Journal of the American Chemical Society, 2000, 122, 6488-6489.	13.7	136
136	Interference Effects of Multiple Excited States in the Resonance Raman Spectroscopy of CpCoCODâ€. Journal of Physical Chemistry B, 2000, 104, 10743-10749.	2.6	17
137	Ligand to Ligand Charge Transfer in (Hydrotris(pyrazolyl)borato)(triphenylarsine)copper(I). Inorganic Chemistry, 2000, 39, 427-432.	4.0	36
138	Allosteric Regulation of Enzymatic Reactions in a Transparent Inorganic Sol-Gel Material. Journal of Sol-Gel Science and Technology, 1999, 15, 57-62.	2.4	12
139	Luminescent Photofragments of (1,1,1,5,5,5-Hexafluoro-2,4-pentanedionato) Metal Complexes in the Gas Phase. Inorganic Chemistry, 1998, 37, 2880-2887.	4.0	20
140	In Situ Probing by Fluorescence Spectroscopy of the Formation of Continuous Highly-Ordered Lamellar-Phase Mesostructured Thin Films. Langmuir, 1998, 14, 7331-7333.	3.5	82
141	Unusual Intensities in the Resonance Raman Spectra and Excitation Profiles of an Intervalence Metal-to-Metal Charge Transfer Complex. Journal of the American Chemical Society, 1997, 119, 1895-1900.	13.7	41
142	Laser and Thermal Vapor Deposition of Metal Sulfide (NiS, PdS) Films and in Situ Gas-Phase Luminescence of Photofragments from M(S2COCHMe2)2. Chemistry of Materials, 1997, 9, 1208-1212.	6.7	67
143	Structure and Assignment of the Luminescence of a New Mixed-Ligand Copper(I) Polymer. Inorganic Chemistry, 1997, 36, 796-801.	4.0	130
144	Continuous formation of supported cubic and hexagonal mesoporous films by solâ€“gel dip-coating. Nature, 1997, 389, 364-368.	27.8	1,417

#	Article	IF	Citations
145	Excited-State Raman Spectroscopy of Inorganic Compounds. Photochemistry and Photobiology, 1997, 65, 65-72.	2.5	11
146	Synthesis, Structure, Luminescence, and Raman-Determined Excited State Distortions of a Trinuclear Gold(I) Phosphine Thiolate Complex. Inorganic Chemistry, 1996, 35, 5813-5819.	4.0	54
147	Nanoconfined Proteins and Enzymes: Solâ€"Gel-Based Biomolecular Materials. ACS Symposium Series, 1996, , 351-365.	0.5	18
148	Porous Sol-Gel Silicates Containing Gold Particles as Matrices for Surface-EnhancedRaman Spectroscopy. Journal of Raman Spectroscopy, 1996, 27, 775-783.	2.5	31
149	Encapsulation of the ferritin protein in sol-gel derived silica glasses. Journal of Sol-Gel Science and Technology, 1996, 7, 109-116.	2.4	20
150	Enzymatic activity of oxalate oxidase and kinetic measurements by optical methods in transparent sol-gel monoliths. Journal of Sol-Gel Science and Technology, 1996, 7, 117-121.	2.4	21
151	In Situ Fluorescence Probing of the Chemical Changes during Sol-Gel Thin Film Formation. Journal of the American Ceramic Society, 1995, 78, 1640-1648.	3.8	99
152	Measurement of Dissolved Oxygen in Water Using Glass-Encapsulated Myoglobin. Analytical Chemistry, 1995, 67, 1505-1509.	6.5	88
153	Synthesis of Protein-Doped Sol-Gel SiO2 Thin Films: Evidence for Rotational Mobility of Encapsulated Cytochrome c. Chemistry of Materials, 1995, 7, 1431-1434.	6.7	82
154	Biomolecular materials based on sol-gel encapsulated proteins. Journal of Sol-Gel Science and Technology, 1994, 2, 791-795.	2.4	27
155	Encapsulation and reactivity of the enzyme oxalate oxidase in a sol-gel derived glass. Journal of Sol-Gel Science and Technology, 1994, 2, 827-829.	2.4	5
156	Optical Sol-Gel Materials Based on Binding and Catalysis by Biomolecules. Materials Research Society Symposia Proceedings, 1994, 346, 1017.	0.1	0
157	Unusual Features in Absorption Spectra Arising from Coupled Potential Surfaces. Comments on Inorganic Chemistry, 1992, 13, 177-220.	5.2	32
158	Laserâ€assisted organometallic chemical vapor deposition of films of rhodium and iridium. Applied Physics Letters, 1992, 60, 1402-1403.	3.3	19
159	Rigidochromism as a Probe of Gelation, Aging, and Drying in SOL-GEL Derived Ormosils. Materials Research Society Symposia Proceedings, 1992, 271, 651.	0.1	2
160	Encapsulation and Reactivity of Proteins in Optically Transparent Porous Silicate Glasses Prepared by the Sol-Gel Method. Materials Research Society Symposia Proceedings, 1992, 277, 99.	0.1	0
161	Interference dips in molecular absorption spectra calculated for coupled electronic state potential surfaces. Journal of Chemical Physics, 1992, 96, 2681-2690.	3.0	50
162	Photonic Materials by the Sol-Gel Process. Journal of the Ceramic Society of Japan, 1991, 99, 878-893.	1.3	61

#	Article	IF	Citations
163	Inorganic Solâ€"Gel Glasses as Matrices for Nonlinear Optical Materials. ACS Symposium Series, 1991, , 541-552.	0.5	8
164	Laser Spectroscopy of Materials Used in Paintings. Materials Research Society Symposia Proceedings, 1990, 185, 133.	0.1	1
165	Luminescence of Alizarin and its Metal Complexes. Materials Research Society Symposia Proceedings, 1990, 185, 139.	0.1	2
166	Laserâ€driven chemical vapor deposition of platinum at atmospheric pressure and room temperature fromCpPt(CH3)3. Applied Physics Letters, 1988, 53, 1705-1707.	3.3	30
167	Excited State Distortions Determined by Electronic and Raman Spectroscopy. ACS Symposium Series, 1986, , 39-56.	0.5	4
168	Mechanical characteristics and mechanism of the triboluminescence of fluorescent molecular crystals. Journal of Chemical Physics, 1980, 73, 5933-5941.	3.0	83
169	Self-Contained Nanocapsules Carrying Anticancer Peptides for Magnetically Activated and Enzyme-Cleaved Drug Delivery. ACS Applied Nano Materials, 0, , .	5.0	7