

Jeffrey I Zink

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

25,081
citations

69
h-index

158
g-index

173
ext. papers

26,658
ext. citations

10.1
avg, IF

6.95
L-index

#	Paper	IF	Citations
169	The Epithelial-Mesenchymal Transcription Factor Represses Transcription of the Tumor Suppressor miRNA in Cancer. <i>Cancers</i> , 2021 , 13,	6.6	7
168	Magnetism, Ultrasound, and Light-Stimulated Mesoporous Silica Nanocarriers for Theranostics and Beyond. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6025-6036	16.4	21
167	Magnetic transitions and structural characteristics of Mn-doped γ -Fe ₂ O ₃ /silica nanocomposites. <i>AIP Advances</i> , 2021 , 11, 065313	1.5	1
166	Expanding nanoparticle multifunctionality: size-selected cargo release and multiple logic operations. <i>Nanoscale</i> , 2021 , 13, 5497-5506	7.7	1
165	Responsive Nanoparticles to Enable a Focused Ultrasound-Stimulated Magnetic Resonance Imaging Spotlight. <i>ACS Nano</i> , 2021 , 15, 14618-14630	16.7	0
164	Probing the Local Nanoscale Heating Mechanism of a Magnetic Core in Mesoporous Silica Drug-Delivery Nanoparticles Using Fluorescence Depolarization. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5212-5220	16.4	21
163	Isoquinoline thiosemicarbazone displays potent anticancer activity with efficacy against aggressive leukemias. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 392-410	3.5	4
162	Use of Ferritin Capped Mesoporous Silica Nanoparticles for Redox and pH Triggered Drug Release In Vitro and In Vivo. <i>Advanced Functional Materials</i> , 2020 , 30, 2002043	15.6	11
161	Magnetic resonance imaging of high-intensity focused ultrasound-stimulated drug release from a self-reporting core@shell nanoparticle platform. <i>Chemical Communications</i> , 2020 , 56, 10297-10300	5.8	11
160	Synthetic amorphous silica nanoparticles: toxicity, biomedical and environmental implications. <i>Nature Reviews Materials</i> , 2020 , 5, 886-909	73.3	69
159	Supramolecular Assemblies of Heterogeneous Mesoporous Silica Nanoparticles to Co-deliver Antimicrobial Peptides and Antibiotics for Synergistic Eradication of Pathogenic Biofilms. <i>ACS Nano</i> , 2020 , 14, 5926-5937	16.7	69
158	Nanoscience and Nanotechnology at UCLA. <i>ACS Nano</i> , 2019 , 13, 6127-6129	16.7	1
157	Supramolecular Nanomachines as Stimuli-Responsive Gatekeepers on Mesoporous Silica Nanoparticles for Antibiotic and Cancer Drug Delivery. <i>Theranostics</i> , 2019 , 9, 3341-3364	12.1	55
156	Nanomachines and Other Caps on Mesoporous Silica Nanoparticles for Drug Delivery. <i>Accounts of Chemical Research</i> , 2019 , 52, 1531-1542	24.3	175
155	A nanoparticle enabled focused ultrasound-stimulated magnetic resonance imaging spotlight. <i>Chemical Communications</i> , 2019 , 55, 10261-10264	5.8	3
154	Magnetic Heating Stimulated Cargo Release with Dose Control using Multifunctional MR and Thermosensitive Liposome. <i>Nanotheranostics</i> , 2019 , 3, 166-178	5.6	13
153	Shortwave Infrared Imaging with J-Aggregates Stabilized in Hollow Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12475-12480	16.4	71

152	Activity and electrochemical properties: iron complexes of the anticancer drug triapine and its analogs. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 621-632	3.7	8
151	A Responsive Mesoporous Silica Nanoparticle Platform for Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound-Stimulated Cargo Delivery with Controllable Location, Time, and Dose. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17670-17684	16.4	41
150	Magnetically Stimulated Drug Release Using Nanoparticles Capped by Self-Assembling Peptides. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43835-43842	9.5	19
149	Ag(i)-mediated self-assembly of anisotropic rods and plates in the surfactant mixture of CTAB and Pluronics.. <i>RSC Advances</i> , 2019 , 9, 4380-4389	3.7	5
148	Nanoparticle Formulation of Moxifloxacin and Intramuscular Route of Delivery Improve Antibiotic Pharmacokinetics and Treatment of Pneumonic Tularemia in a Mouse Model. <i>ACS Infectious Diseases</i> , 2019 , 5, 281-291	5.5	9
147	Spatial, Temporal, and Dose Control of Drug Delivery using Noninvasive Magnetic Stimulation. <i>ACS Nano</i> , 2019 , 13, 1292-1308	16.7	73
146	A molecular cross-linking approach for hybrid metal oxides. <i>Nature Materials</i> , 2018 , 17, 341-348	27	66
145	Hyaluronic acid conjugated nanoparticle delivery of siRNA against TWIST reduces tumor burden and enhances sensitivity to cisplatin in ovarian cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1381-1394	6	53
144	Cancer Treatment: Two-Photon-Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment (Adv. Healthcare Mater. 7/2018). <i>Advanced Healthcare Materials</i> , 2018 , 7, 1870032	10.1	
143	Two-Photon-Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701248	10.1	30
142	Creating Lithium-Ion Electrolytes with Biomimetic Ionic Channels in Metal-Organic Frameworks. <i>Advanced Materials</i> , 2018 , 30, e1707476	24	146
141	Hard Pd Nanorods in the Soft Surfactant Mixture of CTAB and Pluronics: Seedless Synthesis and Their Self-Assembly. <i>Langmuir</i> , 2018 , 34, 4271-4281	4	10
140	Stimuli-Responsive Nanomachines and Caps for Drug Delivery. <i>The Enzymes</i> , 2018 , 43, 31-65	2.3	13
139	Facile Strategy Enabling Both High Loading and High Release Amounts of the Water-Insoluble Drug Clofazimine Using Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31870-31881	9.5	38
138	Comparison of the effects of commercial coated and uncoated ZnO nanomaterials and Zn compounds in kidney bean (<i>Phaseolus vulgaris</i>) plants. <i>Journal of Hazardous Materials</i> , 2017 , 332, 214-222	12.8	47
137	A Pathogen-Specific Cargo Delivery Platform Based on Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6663-6668	16.4	49
136	Nanoparticle delivery of siRNA against TWIST to reduce drug resistance and tumor growth in ovarian cancer models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 965-976	6	52
135	In vitro delivery of calcium ions by nanogated mesoporous silica nanoparticles to induce cancer cellular apoptosis. <i>Molecular Systems Design and Engineering</i> , 2017 , 2, 384-392	4.6	10

134	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). <i>Small</i> , 2016 , 12, 3740-3740	11	
133	Analyte-responsive gated hollow mesoporous silica nanoparticles exhibiting inverse functionality and an AND logic response. <i>Nanoscale</i> , 2016 , 8, 18296-18300	7.7	13
132	EELS Study of Differential Diffusion of Fe and Co in Magnetized Silica Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25578-25587	3.8	3
131	Externally Controlled Nanomachines on Mesoporous Silica Nanoparticles for Biomedical Applications. <i>ChemPhysChem</i> , 2016 , 17, 1769-79	3.2	60
130	Tailored Synthesis of Octopus-type Janus Nanoparticles for Synergistic Actively-Targeted and Chemo-Photothermal Therapy. <i>Angewandte Chemie</i> , 2016 , 128, 2158-2161	3.6	18
129	Tailored Synthesis of Octopus-type Janus Nanoparticles for Synergistic Actively-Targeted and Chemo-Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2118-21	16.4	199
128	Protein-gold clusters-capped mesoporous silica nanoparticles for high drug loading, autonomous gemcitabine/doxorubicin co-delivery, and in-vivo tumor imaging. <i>Journal of Controlled Release</i> , 2016 , 229, 183-191	11.7	128
127	Nano-QSAR modeling for predicting the cytotoxicity of metal oxide nanoparticles using novel descriptors. <i>RSC Advances</i> , 2016 , 6, 25766-25775	3.7	61
126	Bis-clickable Mesoporous Silica Nanoparticles: Straightforward Preparation of Light-Actuated Nanomachines for Controlled Drug Delivery with Active Targeting. <i>Chemistry - A European Journal</i> , 2016 , 22, 9624-30	4.8	23
125	Biodegradable Oxamide-Phenylene-Based Mesoporous Organosilica Nanoparticles with Unprecedented Drug Payloads for Delivery in Cells. <i>Chemistry - A European Journal</i> , 2016 , 22, 14806-14811	4.8	67
124	Periodic Mesoporous Organosilica Nanoparticles with Controlled Morphologies and High Drug/Dye Loadings for Multicargo Delivery in Cancer Cells. <i>Chemistry - A European Journal</i> , 2016 , 22, 9607-15	4.8	38
123	Redox-Triggered Release of Moxifloxacin from Mesoporous Silica Nanoparticles Functionalized with Disulfide Snap-Tops Enhances Efficacy Against Pneumonic Tularemia in Mice. <i>Small</i> , 2016 , 12, 3690-702	7.7	64
122	Simultaneous spectroscopic measurements of the interior temperature and induced cargo release from pore-restricted mesoporous silica nanoparticles. <i>Nanoscale</i> , 2016 , 8, 10558-63	7.7	4
121	Effect of Pore Wall Charge and Probe Molecule Size on Molecular Motion inside Mesoporous Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 23780-23787	3.8	6
120	Disulfide-gated mesoporous silica nanoparticles designed for two-photon-triggered drug release and imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6456-6461	7.3	43
119	Aerosol droplet delivery of mesoporous silica nanoparticles: A strategy for respiratory-based therapeutics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1377-85	6	20
118	Mesoporous Silica Nanoparticles with pH-Sensitive Nanovalves for Delivery of Moxifloxacin Provide Improved Treatment of Lethal Pneumonic Tularemia. <i>ACS Nano</i> , 2015 , 9, 10778-89	16.7	88
117	Mesoporous silica nanoparticle delivery of chemically modified siRNA against TWIST1 leads to reduced tumor burden. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1657-66	6	42

116	Functional nanovalves on protein-coated nanoparticles for in vitro and in vivo controlled drug delivery. <i>Small</i> , 2015 , 11, 319-328	11	58
115	Light or Heat? The Origin of Cargo Release from Nanoimpeller Particles Containing Upconversion Nanocrystals under IR Irradiation. <i>Small</i> , 2015 , 11, 4165-72	11	42
114	pH-Responsive Isoniazid-Loaded Nanoparticles Markedly Improve Tuberculosis Treatment in Mice. <i>Small</i> , 2015 , 11, 5066-78	11	54
113	Tuberculosis: pH-Responsive Isoniazid-Loaded Nanoparticles Markedly Improve Tuberculosis Treatment in Mice (Small 38/2015). <i>Small</i> , 2015 , 11, 5065	11	5
112	Engineering the Internal Structure of Magnetic Silica Nanoparticles by Thermal Control. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 307-312	3.1	14
111	Integration of molecular and enzymatic catalysts on graphene for biomimetic generation of antithrombotic species. <i>Nature Communications</i> , 2014 , 5, 3200	17.4	83
110	Photo-redox activated drug delivery systems operating under two photon excitation in the near-IR. <i>Nanoscale</i> , 2014 , 6, 4652-8	7.7	37
109	Drug Release from Three-Dimensional Cubic Mesoporous Silica Nanoparticles Controlled by Nanoimpellers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 588-594	1.3	10
108	A reversible light-operated nanovalve on mesoporous silica nanoparticles. <i>Nanoscale</i> , 2014 , 6, 3335-43	7.7	105
107	Two-photon-triggered drug delivery via fluorescent nanovalves. <i>Small</i> , 2014 , 10, 1752-5	11	101
106	Probing the Microenvironment in the Confined Pores of Mesoporous Silica Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 839-842	6.4	19
105	Taking the temperature of the interiors of magnetically heated nanoparticles. <i>ACS Nano</i> , 2014 , 8, 5199-2007	7	127
104	Two-photon-triggered drug delivery in cancer cells using nanoimpellers. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13813-7	16.4	91
103	An enzymatic chemical amplifier based on mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17659-62	16.4	35
102	Two-wave nanotherapy to target the stroma and optimize gemcitabine delivery to a human pancreatic cancer model in mice. <i>ACS Nano</i> , 2013 , 7, 10048-65	16.7	131
101	Activation of snap-top capped mesoporous silica nanocontainers using two near-infrared photons. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14000-3	16.4	127
100	Codelivery of an optimal drug/siRNA combination using mesoporous silica nanoparticles to overcome drug resistance in breast cancer in vitro and in vivo. <i>ACS Nano</i> , 2013 , 7, 994-1005	16.7	456
99	pH-responsive dual cargo delivery from mesoporous silica nanoparticles with a metal-latched nanogate. <i>Inorganic Chemistry</i> , 2013 , 52, 2044-9	5.1	66

98	Mesoporous silica nanoparticle nanocarriers: biofunctionality and biocompatibility. <i>Accounts of Chemical Research</i> , 2013 , 46, 792-801	24.3	696
97	Photophysical pore control in an azobenzene-containing metal-organic framework. <i>Chemical Science</i> , 2013 , 4, 2858	9.4	208
96	Two-Photon-Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. <i>Angewandte Chemie</i> , 2013 , 125, 14058-14062	3.6	42
95	In vivo tumor suppression efficacy of mesoporous silica nanoparticles-based drug-delivery system: enhanced efficacy by folate modification. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 212-20	6	174
94	Continuous spectroscopic measurements of photo-stimulated release of molecules by nanomachines in a single living cell. <i>Nanoscale</i> , 2012 , 4, 3482-9	7.7	24
93	Nanovalve-controlled cargo release activated by plasmonic heating. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7628-31	16.4	193
92	Targeted intracellular delivery of antituberculosis drugs to Mycobacterium tuberculosis-infected macrophages via functionalized mesoporous silica nanoparticles. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 2535-45	5.9	175
91	Processing pathway dependence of amorphous silica nanoparticle toxicity: colloidal vs pyrolytic. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15790-804	16.4	315
90	Excited state mixed valence in a dual-bridged three-chromophore system. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 578-585	2.1	2
89	Mesoporous silica nanoparticles in biomedical applications. <i>Chemical Society Reviews</i> , 2012 , 41, 2590-605	58.5	1480
88	Use of metal oxide nanoparticle band gap to develop a predictive paradigm for oxidative stress and acute pulmonary inflammation. <i>ACS Nano</i> , 2012 , 6, 4349-68	16.7	631
87	Designed synthesis of CeO ₂ nanorods and nanowires for studying toxicological effects of high aspect ratio nanomaterials. <i>ACS Nano</i> , 2012 , 6, 5366-80	16.7	275
86	Stimulated Release of Size-Selected Cargos in Succession from Mesoporous Silica Nanoparticles. <i>Angewandte Chemie</i> , 2012 , 124, 5556-5561	3.6	20
85	Stimulated release of size-selected cargoes in succession from mesoporous silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5460-5	16.4	147
84	Aspect ratio determines the quantity of mesoporous silica nanoparticle uptake by a small GTPase-dependent macropinocytosis mechanism. <i>ACS Nano</i> , 2011 , 5, 4434-47	16.7	287
83	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. <i>ACS Nano</i> , 2011 , 5, 4131-44	16.7	402
82	pH-Operated mechanized porous silicon nanoparticles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8798-801	16.4	135
81	Mechanized silica nanoparticles: a new frontier in theranostic nanomedicine. <i>Accounts of Chemical Research</i> , 2011 , 44, 903-13	24.3	533

80	Synthesis of biomolecule-modified mesoporous silica nanoparticles for targeted hydrophobic drug delivery to cancer cells. <i>Small</i> , 2011 , 7, 1816-26	11	188
79	Measurement of Uptake and Release Capacities of Mesoporous Silica Nanoparticles Enabled by Nanovalve Gates. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19496-19506	3.8	51
78	Surface Immobilized Heteroleptic Copper Compounds as State Variables that Show Negative Differential Resistance. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 589-593	6.4	15
77	Autonomous in vitro anticancer drug release from mesoporous silica nanoparticles by pH-sensitive nanovalves. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12690-7	16.4	511
76	Engineered design of mesoporous silica nanoparticles to deliver doxorubicin and P-glycoprotein siRNA to overcome drug resistance in a cancer cell line. <i>ACS Nano</i> , 2010 , 4, 4539-50	16.7	748
75	Snap-top nanocarriers. <i>Organic Letters</i> , 2010 , 12, 3304-7	6.2	102
74	Noninvasive remote-controlled release of drug molecules in vitro using magnetic actuation of mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10623-5	16.4	539
73	Improving pore exposure in mesoporous silica films for mechanized control of the pores. <i>Microporous and Mesoporous Materials</i> , 2010 , 132, 435-441	5.3	24
72	Biocompatibility, biodistribution, and drug-delivery efficiency of mesoporous silica nanoparticles for cancer therapy in animals. <i>Small</i> , 2010 , 6, 1794-805	11	841
71	Alternate State Variables for Emerging Nanoelectronic Devices. <i>IEEE Nanotechnology Magazine</i> , 2009 , 8, 66-75	2.6	32
70	Antimicrobial Activity of Silver Nanocrystals Encapsulated in Mesoporous Silica Nanoparticles. <i>Advanced Materials</i> , 2009 , 21, 1684-1689	24	222
69	Redox- and pH-Controlled Mechanized Nanoparticles. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 1669-1673	3.2	89
68	Mixed valence of a delocalized system: a resonance Raman study of the tetracyanoquinodimethane radical anion. <i>Journal of Physical Organic Chemistry</i> , 2009 , 22, 522-526	2.1	5
67	Mesostructured Silica for Optical Functionality, Nanomachines, and Drug Delivery. <i>Journal of the American Ceramic Society</i> , 2009 , 92, s2-s10	3.8	92
66	pH clock-operated mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12912-4	16.4	301
65	Mechanised nanoparticles for drug delivery. <i>Nanoscale</i> , 2009 , 1, 16-39	7.7	448
64	Light-operated mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1686-8	16.4	455
63	Dual-controlled nanoparticles exhibiting AND logic. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11344-6	16.4	278

62	Polyethyleneimine coating enhances the cellular uptake of mesoporous silica nanoparticles and allows safe delivery of siRNA and DNA constructs. <i>ACS Nano</i> , 2009 , 3, 3273-86	16.7	725
61	Room temperature negative differential resistance of a monolayer molecular rotor device. <i>Applied Physics Letters</i> , 2009 , 95, 093503	3.4	5
60	Mesostructured multifunctional nanoparticles for imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6251		196
59	Controlled-access hollow mechanized silica nanocontainers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15136-42	16.4	263
58	Enzyme-responsive snap-top covered silica nanocontainers. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2382-3	16.4	544
57	Multifunctional inorganic nanoparticles for imaging, targeting, and drug delivery. <i>ACS Nano</i> , 2008 , 2, 889-96	16.7	1612
56	Light-activated functional mesostructured silica. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 46, 313-322	2.3	41
55	In situ fluorescence probing of the chemical and structural changes during formation of hexagonal phase cetyltrimethylammonium bromide and lamellar phase CTAB/Poly(dodecylmethacrylate) sol-gel silica thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 47, 300-310	2.3	10
54	Light-activated nanoimpeller-controlled drug release in cancer cells. <i>Small</i> , 2008 , 4, 421-6	11	404
53	Comparison of the mechanism of toxicity of zinc oxide and cerium oxide nanoparticles based on dissolution and oxidative stress properties. <i>ACS Nano</i> , 2008 , 2, 2121-34	16.7	1868
52	Photo-Driven Expulsion of Molecules from Mesostructured Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6589-6592	3.8	206
51	Mesoporous silica nanoparticles as a delivery system for hydrophobic anticancer drugs. <i>Small</i> , 2007 , 3, 1341-6	11	848
50	Construction of a pH-driven supramolecular nanovalve. <i>Organic Letters</i> , 2006 , 8, 3363-6	6.2	229
49	Supramolecular Nanovalves Controlled by Proton Abstraction and Competitive Binding. <i>Chemistry of Materials</i> , 2006 , 18, 5919-5928	9.6	182
48	A photoactive molecular triad as a nanoscale power supply for a supramolecular machine. <i>Chemistry - A European Journal</i> , 2005 , 11, 6846-58	4.8	99
47	An operational supramolecular nanovalve. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3370-1	16.4	417
46	Luminescence Properties of Rare-Earth Ions in Organic-Inorganic Hybrid Mesostructured Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 726, 1		
45	Working Supramolecular Machines Trapped in Glass and Mounted on a Film Surface. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2447-2451	16.4	97

44	Wavelength Dependence of Photooxidation vs Photofragmentation of Chromocene. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 8665-8671	2.8	15
43	Controlled placement of luminescent molecules and polymers in mesostructured sol-gel thin films. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1248-9	16.4	140
42	Synthesis and electrochromic properties of mesoporous tungsten oxide. <i>Journal of Materials Chemistry</i> , 2001 , 11, 92-97		224
41	Molecular Motion and Environmental Rigidity in the Framework and Ionic Interface Regions of Mesostructured Silica Thin Films. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10335-10339	3.4	26
40	Synthesis and luminescence spectroscopy of a series of [eta(5)-CpFe(CO) ₂] complexes containing 1,12-dicarba-closo-dodecaboranyl and -ylene ligands. <i>Inorganic Chemistry</i> , 2001 , 40, 5428-33	5.1	21
39	Luminescence of dimethylgallium(III) azide. <i>Inorganic Chemistry</i> , 2001 , 40, 3252-4	5.1	7
38	Structures of photo-produced transient species. <i>Research on Chemical Intermediates</i> , 2000 , 26, 69-84	2.8	1
37	In Situ Luminescence Probing of the Chemical and Structural Changes during Formation of Dip-Coated Lamellar Phase Sodium Dodecyl Sulfate Sol-Gel Thin Films. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3739-3745	16.4	82
36	In Situ Fluorescence Probing of Molecular Mobility and Chemical Changes during Formation of Dip-Coated Sol-Gel Silica Thin Films. <i>Chemistry of Materials</i> , 2000 , 12, 231-235	9.6	50
35	Patterned Hexagonal Arrays of Living Cells in Sol-Gel Silica Films. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6488-6489	16.4	124
34	Interference Effects of Multiple Excited States in the Resonance Raman Spectroscopy of CpCoCOD. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 10743-10749	3.4	14
33	Ligand to ligand charge transfer in (hydrotris(pyrazolyl)borato)(triphenylarsine)copper(I). <i>Inorganic Chemistry</i> , 2000 , 39, 427-32	5.1	31
32	Allosteric Regulation of Enzymatic Reactions in a Transparent Inorganic Sol-Gel Material. <i>Journal of Sol-Gel Science and Technology</i> , 1999 , 15, 57-62	2.3	10
31	Luminescent Photofragments of (1,1,1,5,5,5-Hexafluoro-2,4-pentanedionato) Metal Complexes in the Gas Phase. <i>Inorganic Chemistry</i> , 1998 , 37, 2880-2887	5.1	19
30	In Situ Probing by Fluorescence Spectroscopy of the Formation of Continuous Highly-Ordered Lamellar-Phase Mesostructured Thin Films. <i>Langmuir</i> , 1998 , 14, 7331-7333	4	77
29	Unusual Intensities in the Resonance Raman Spectra and Excitation Profiles of an Intervalence Metal-to-Metal Charge Transfer Complex. <i>Journal of the American Chemical Society</i> , 1997 , 119, 1895-1900	16.4	38
28	Laser and Thermal Vapor Deposition of Metal Sulfide (NiS, PdS) Films and in Situ Gas-Phase Luminescence of Photofragments from M(S ₂ COCHMe ₂) ₂ . <i>Chemistry of Materials</i> , 1997 , 9, 1208-1212	9.6	67
27	Structure and Assignment of the Luminescence of a New Mixed-Ligand Copper(I) Polymer. <i>Inorganic Chemistry</i> , 1997 , 36, 796-801	5.1	120

26	Continuous formation of supported cubic and hexagonal mesoporous films by sol-gel dip-coating. <i>Nature</i> , 1997 , 389, 364-368	50.4	1281
25	Excited-State Raman Spectroscopy of Inorganic Compounds. <i>Photochemistry and Photobiology</i> , 1997 , 65, 65-72	3.6	8
24	Synthesis, Structure, Luminescence, and Raman-Determined Excited State Distortions of a Trinuclear Gold(I) Phosphine Thiolate Complex. <i>Inorganic Chemistry</i> , 1996 , 35, 5813-5819	5.1	48
23	Nanoconfined Proteins and Enzymes: Sol-Gel-Based Biomolecular Materials. <i>ACS Symposium Series</i> , 1996 , 351-365	0.4	17
22	Porous Sol-Gel Silicates Containing Gold Particles as Matrices for Surface-Enhanced Raman Spectroscopy. <i>Journal of Raman Spectroscopy</i> , 1996 , 27, 775-783	2.3	28
21	Encapsulation of the ferritin protein in sol-gel derived silica glasses. <i>Journal of Sol-Gel Science and Technology</i> , 1996 , 7, 109-116	2.3	20
20	Enzymatic activity of oxalate oxidase and kinetic measurements by optical methods in transparent sol-gel monoliths. <i>Journal of Sol-Gel Science and Technology</i> , 1996 , 7, 117-121	2.3	17
19	In Situ Fluorescence Probing of the Chemical Changes during Sol-Gel Thin Film Formation. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1640-1648	3.8	86
18	Measurement of Dissolved Oxygen in Water Using Glass-Encapsulated Myoglobin. <i>Analytical Chemistry</i> , 1995 , 67, 1505-1509	7.8	77
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12	Laser-assisted organometallic chemical vapor deposition of films of rhodium and iridium. <i>Applied Physics Letters</i> , 1992 , 60, 1402-1403	3.4	16
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