Hubert Mutin

List of Publications by Year
in descending order

139 papers	6,006 citations	66343 42 h-index	82547 72 g-index
143 all docs	143 docs citations	143 times ranked	6557 citing authors

#	Article	IF	Citations
1	Hydrolytic vs. Nonhydrolytic Sol-Gel in Preparation of Mixed Oxide Silicaâ€“Alumina Catalysts for Esterification. Molecules, 2022, 27, 2534.	3.8	0
2	Tuning Polymer/TiO2 Nanocomposites Morphology by In Situ Non-Hydrolytic Sol-Gel Syntheses in Viscous Polymer Medium: Influence of the Polymer Nature and Oxygen Donor. Polymers, 2022, 14, 2273.	4.5	2
3	Water Formation in Nonâ€Hydrolytic Solâ€“Gel Routes: Selective Synthesis of Tetragonal and Monoclinic Mesoporous Zirconia as a Case Study. Chemistry - A European Journal, 2021, 27, 2670-2682.	3.3	4
4	Non-hydrolytic solâ€“gel synthesis of polypropylene/TiO2 composites by reactive extrusion. Journal of Sol-Gel Science and Technology, 2021, 99, 39.	2.4	5
5	One-step non-hydrolytic sol-gel synthesis of mesoporous SiO2-Al2O3-NiO catalysts for ethylene oligomerization. Microporous and Mesoporous Materials, 2021, 322, 111165.	4.4	20
6	Heterogeneous Single-Site Catalysts for Câ€“H Activation Reactions: Pd(II)-Loaded S,O-Functionalized Metal Oxide-Bisphosphonates. ACS Applied Materials & Interfaces, 2020, 12, 47457-47466.	8.0	12
7	Carbonization of polysaccharides in FeCl3/BmimCl ionic liquids: Breaking the capacity barrier of carbon negative electrodes in lithium ion batteries. Journal of Power Sources, 2020, 474, 228575.	7.8	15
8	TinO2nâˆ’1 Suboxide Phases in TiO2/C Nanocomposites Engineered by Non-hydrolytic Solâ€“Gel with Enhanced Electrocatalytic Properties. Nanomaterials, 2020, 10, 1789.	4.1	4
9	Water-Stable, Nonsiliceous Hybrid Materials with Tunable Porosity and Functionality: Bridged Titania-Bisphosphonates. Chemistry of Materials, 2020, 32, 2910-2918.	6.7	16
10	Green electrode processing using a seaweed-derived mesoporous carbon additive and binder for LiMn₂O₄ and LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂ lithium ion battery electrodes. Sustainable Energy and Fuels, 2019, 3, 450-456.	4.9	11
11	Dehydration of Alginic Acid Cryogel by TiCl 4 vapor: Direct Access to Mesoporous TiO 2 @C Nanocomposites and Their Performance in Lithiumâ€Ion Batteries. ChemSusChem, 2019, 12, 2660-2670.	6.8	6
12	One-step nonhydrolytic solâ€“gel synthesis of mesoporous TiO₂ phosphonate hybrid materials. Beilstein Journal of Nanotechnology, 2019, 10, 356-362.	2.8	5
13	Acetic Anhydride as an Oxygen Donor in the Nonâ€Hydrolytic Solâ€“Gel Synthesis of Mesoporous TiO 2 with High Electrochemical Lithium Storage Performances. Chemistry - A European Journal, 2019, 25, 4767-4774.	3.3	6
14	Ethers as Oxygen Donor and Carbon Source in Nonâ€hydrolytic Solâ€“Gel: Oneâ€Pot, Atomâ€Economic Synthesis of Mesoporous TiO₂â€“Carbon Nanocomposites. Chemistry - A European Journal, 2018, 24, 4982-4990.	3.3	9
15	Tuning Texture and Morphology of Mesoporous TiO2 by Non-Hydrolytic Sol-Gel Syntheses. Molecules, 2018, 23, 3006.	3.8	6
16	Alginic acid-derived mesoporous carbonaceous materials (StarbonÂ®) as negative electrodes for lithium ion batteries: Importance of porosity and electronic conductivity. Journal of Power Sources, 2018, 406, 18-25.	7.8	8
17	Alginic acid aquagel as a template and carbon source in the synthesis of Li₄Ti₅O₁₂/C nanocomposites for application as anodes in Li-ion batteries. RSC Advances, 2018, 8, 32558-32564.	3.6	8
18	Alginic acid-derived mesoporous carbon (StarbonÂ®) as template and reducing agent for the hydrothermal synthesis of mesoporous LiMn₂O₄ grafted with carbonaceous species. Journal of Materials Chemistry A, 2018, 6, 14392-14399.	10.3	8

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19	Nonhydrolytic Sol-Gel Technology. , 2018, , 1039-1065.		1
20	Decreasing friction during Al cold forming using a nanomolecular layer. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 020605.	2.1	6
21	Chemical bonding and nanomolecular length effects on work function at Au-organophosphonate-HfO2 interfaces. Applied Physics Letters, 2017, 110, 181604.	3.3	1
22	Functionalized nanodiamond as potential synergist in flame-retardant ethylene vinyl acetate. Diamond and Related Materials, 2017, 76, 141-149.	3.9	8
23	Molecular length effect on work function shifts at copper-organophosphonate-hafnia interfaces. Applied Physics Letters, 2017, 110, .	3.3	3
24	Tuning Local Nanoparticle Arrangements in TiO₂â€“Polymer Nanocomposites by Grafting of Phosphonic Acids. Macromolecules, 2017, 50, 7721-7729.	4.8	8
25	Phase transfer of TiO₂ nanoparticles from water to ionic liquid triggered by phosphonic acid grafting. Soft Matter, 2017, 13, 8023-8026.	2.7	13
26	Sustainable polysaccharide-derived mesoporous carbons (StarbonÂ®) as additives in lithium-ion batteries negative electrodes. Journal of Materials Chemistry A, 2017, 5, 24380-24387.	10.3	17
27	Tailoring Al-SiO2 interfacial work function using an organophosphonate nanolayer. Applied Physics Letters, 2017, 111, .	3.3	3
28	Work function tuning at Au-HfO2 interfaces using organophosphonate monolayers. Applied Physics Letters, 2016, 108, .	3.3	11
29	Structure of alumina-silica nanoparticles grafted with alkylphosphonic acids in poly(ethylacrylate) nanocomposites. Polymer, 2016, 97, 138-146.	3.8	15
30	Mesoporous SnO₂â€“SiO₂ and Snâ€“silicaâ€“carbon nanocomposites by novel non-hydrolytic templated solâ€“gel synthesis. RSC Advances, 2016, 6, 68739-68747.	3.6	20
31	Studying the thermo-oxidative stability of chars using pyrolysis-combustion flow calorimetry. Polymer Degradation and Stability, 2016, 134, 340-348.	5.8	8
32	Lithium insertion properties of mesoporous nanocrystalline TiO2 and TiO2â€“V2O5 microspheres prepared by non-hydrolytic solâ€“gel. Journal of Sol-Gel Science and Technology, 2016, 79, 270-278.	2.4	9
33	Adsorption of benzoxaboroles on hydroxyapatite phases. Acta Biomaterialia, 2016, 41, 342-350.	8.3	10
34	Formulation of benzoxaborole drugs in PLLA: from materials preparation to in vitro release kinetics and cellular assays. Journal of Materials Chemistry B, 2016, 4, 257-272.	5.8	17
35	Nonhydrolytic Sol-Gel Technology. , 2016, , 1-27.		1
36	Sol–gel processing of phosphonate-based organic–inorganic hybrid materials. Journal of the Ceramic Society of Japan, 2015, 123, 709-713.	1.1	17

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37	NMR and EPR Characterization of Functionalized Nanodiamonds. Journal of Physical Chemistry C, 2015, 119, 12408-12422.	3.1	36
38	In vitro and in vivo characterization of antibacterial activity and biocompatibility: A study on silver-containing phosphonate monolayers on titanium. Acta Biomaterialia, 2015, 15, 266-277.	8.3	58
39	Intercalation of Benzoxaborolate Anions in Layered Double Hydroxides: Toward Hybrid Formulations for Benzoxaborole Drugs. Chemistry of Materials, 2015, 27, 1242-1254.	6.7	37
40	Surface modification of alumina-coated silica nanoparticles in aqueous sols with phosphonic acids and impact on nanoparticle interactions. Physical Chemistry Chemical Physics, 2015, 17, 19173-19182.	2.8	32
41	Ethylene to Propylene by One-Pot Catalytic Cascade Reactions. ACS Catalysis, 2015, 5, 2774-2777.	11.2	42
42	Simultaneous Phase Transfer and Surface Modification of TiO₂ Nanoparticles Using Alkylphosphonic Acids: Optimization and Structure of the Organosols. Langmuir, 2015, 31, 10966-10974.	3.5	23
43	Avoiding rhenium loss in non-hydrolytic synthesis of highly active Reâ€“Siâ€“Al olefin metathesis catalysts. Catalysis Communications, 2015, 58, 183-186.	3.3	23
44	Tuning of noble metal work function with organophosphonate nanolayers. Applied Physics Letters, 2014, 105, .	3.3	10
45	A combined experimental-computational study of benzoxaborole crystal structures. CrystEngComm, 2014, 16, 4999.	2.6	27
46	Surface Functionalization of Detonation Nanodiamonds by Phosphonic Dichloride Derivatives. Langmuir, 2014, 30, 9239-9245.	3.5	14
47	Single- and Double-Layered Organically Modified Nanosheets by Selective Interlayer Grafting and Exfoliation of Layered Potassium Hexaniobate. Langmuir, 2014, 30, 1169-1175.	3.5	44
48	Phosphonate coupling molecules for the control of surface/interface properties and the synthesis of nanomaterials. Dalton Transactions, 2013, 42, 12569.	3.3	195
49	Recent advances in the synthesis of inorganic materials via non-hydrolytic condensation and related low-temperature routes. Journal of Materials Chemistry A, 2013, 1, 11504.	10.3	46
50	Non-hydrolytic Solâ€“Gel Preparation of Silver Alumina Based Catalysts for the HC-SCR of NOx. Topics in Catalysis, 2013, 56, 34-39.	2.8	6
51	Bonding-induced thermal conductance enhancement at inorganic heterointerfaces usingÂnanomolecular monolayers. Nature Materials, 2013, 12, 118-122.	27.5	223
52	Boronate Ligands in Materials: Determining Their Local Environment by Using a Combination of IR/Solidâ€State NMR Spectroscopies and DFT Calculations. Chemistry - A European Journal, 2013, 19, 880-891.	3.3	19
53	Hydrothermal activation of silver supported alumina catalysts prepared by solâ€“gel method: Application to the selective catalytic reduction (SCR) of NOx by n-decane. Applied Catalysis B: Environmental, 2013, 134-135, 258-264.	20.2	14
54	Mesoporous mixed oxide catalysts via non-hydrolytic solâ€“gel: A review. Applied Catalysis A: General, 2013, 451, 192-206.	4.3	145

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55	Olefin metathesis with mesoporous rheniumâ€“siliciumâ€“aluminum mixed oxides obtained via a one-step non-hydrolytic solâ€“gel route. Journal of Catalysis, 2013, 301, 233-241.	6.2	53
56	Improvement of the Oxidative Stability of Nanodiamonds by Surface Phosphorylation. Chemistry of Materials, 2013, 25, 2051-2055.	6.7	18
57	Structural study of calcium phosphonates: a combined synchrotron powder diffraction, solid-state NMR and first-principle calculations approach. CrystEngComm, 2013, 15, 8763.	2.6	26
58	Gold-titania interface toughening and thermal conductance enhancement using an organophosphonate nanolayer. Applied Physics Letters, 2013, 102, 201605.	3.3	15
59	Non-hydrolytic synthesis of hierarchical TiO2 nanostructures using natural cellulosic materials as both oxygen donors and templates. New Journal of Chemistry, 2012, 36, 2196.	2.8	23
60	Non-hydrolytic solâ€“gel routes to heterogeneous catalysts. Chemical Society Reviews, 2012, 41, 3624.	38.1	162
61	Surface modification of calcium carbonate with phosphonic acids. Journal of Materials Chemistry, 2012, 22, 1212-1218.	6.7	26
62	Grafting of Metallacarboranes onto Selfâ€Assembled Monolayers Deposited on Silicon Wafers. Chemistry - an Asian Journal, 2012, 7, 277-281.	3.3	10
63	Highâ€Surfaceâ€Area SiO 2 â€“ZrO 2 Mixed Oxides as Catalysts for the Friedelâ€“Craftsâ€Type Alkylation of Arenes with Alcohols and Tandem Cyclopropanation Reactions. ChemCatChem, 2012, 4, 1813-1818.	3.7	18
64	A non-hydrolytic solâ€“gel route to highly active MoO3â€“SiO2â€“Al2O3 metathesis catalysts. Catalysis Science and Technology, 2012, 2, 1157.	4.1	42
65	Modification of silica by an organic monolayer in aqueous medium using octylphosphonic acid and aluminium species. Journal of Materials Chemistry, 2011, 21, 8199.	6.7	20
66	A highly efficient silver niobium alumina catalyst for the selective catalytic reduction of NO by n-decane. Chemical Communications, 2011, 47, 10728.	4.1	19
67	High-resolution solid state NMR experiments for the characterization of calcium phosphate biomaterials and biominerals. Journal of Materials Research, 2011, 26, 2355-2368.	2.6	21
68	Synthesis and Characterization of Crystalline Structures Based on Phenylboronate Ligands Bound to Alkaline Earth Cations. Inorganic Chemistry, 2011, 50, 7802-7810.	4.0	35
69	Insights into new calcium phosphosilicate xerogels using an advanced characterization methodology. Journal of Non-Crystalline Solids, 2011, 357, 3548-3555.	3.1	20
70	Reactive and Organosoluble SnO₂ Nanoparticles by a Surfactantâ€Free Nonâ€Hydrolytic Solâ€“Gel Route. European Journal of Inorganic Chemistry, 2011, 2011, 3644-3649.	2.0	19
71	Mild oxidation of bulky organic compounds with hydrogen peroxide over mesoporous TiO2-SiO2 xerogels prepared by non-hydrolytic solâ€“gel. Applied Catalysis B: Environmental, 2010, 97, 407-413.	20.2	39
72	One-step non-hydrolytic solâ€“gel preparation of efficient V2O5-TiO2 catalysts for VOC total oxidation. Applied Catalysis B: Environmental, 2010, 94, 38-45.	20.2	72

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73	Total oxidation of benzene and chlorobenzene with MoO3- and WO3-promoted V2O5/TiO2 catalysts prepared by a nonhydrolytic solâ€“gel route. Catalysis Today, 2010, 157, 125-130.	4.4	67
74	Non-hydrolytic SiO2â€“TiO2 mesoporous xerogelsâ€”Efficient catalysts for the mild oxidation of sulfur organic compounds with hydrogen peroxide. Catalysis Today, 2010, 157, 270-274.	4.4	16
75	Reactive and Organosoluble Anatase Nanoparticles by a Surfactant-Free Nonhydrolytic Synthesis. Chemistry of Materials, 2010, 22, 4519-4521.	6.7	27
76	Ionic liquid as plasticizer for europium(iii)-doped luminescent poly(methyl methacrylate) films. Physical Chemistry Chemical Physics, 2010, 12, 1879-1885.	2.8	143
77	Anchoring of Phosphorus-Containing Cobaltabisdicarbollide Derivatives to Titania Surface. Langmuir, 2010, 26, 12185-12189.	3.5	22
78	Organo-lined alumina surface from covalent attachment of alkylphosphonate chains in aqueous solution. New Journal of Chemistry, 2010, 34, 1424.	2.8	20
79	Advanced Solid State NMR Techniques for the Investigation of the Organic-Mineral Interfaces in Biomaterials. Materials Research Society Symposia Proceedings, 2009, 1236, 1.	0.1	2
80	Selective catalytic oxidation of H2S using nonhydrolytic vanadia-titania xerogels. Korean Journal of Chemical Engineering, 2009, 26, 377-381.	2.7	14
81	Interlayer surface modification of the protonated ion-exchangeable layered perovskite HLaNb₂O₇â€¢<i>x</i>H₂O with organophosphonic acids. Chemistry of Materials, 2009, 21, 4155-4162.	6.7	52
82	Design of SiO₂â^'Al₂O₃â^'MoO₃ Metathesis Catalysts by Nonhydrolytic Solâ^'Gel. Chemistry of Materials, 2009, 21, 2817-2824.	6.7	70
83	Removal of dimethylsulfoxide from wastewater using mild oxidation with H2O2 over Ti-based catalysts. Chemosphere, 2009, 77, 1065-1068.	8.2	17
84	Nonhydrolytic Processing of Oxide-Based Materials: Simple Routes to Control Homogeneity, Morphology, and Nanostructure. Chemistry of Materials, 2009, 21, 582-596.	6.7	237
85	Surfactant-Free Organo-Soluble Silicaâ^'Titania and Silica Nanoparticles. Chemistry of Materials, 2009, 21, 2577-2579.	6.7	24
86	Phosphonate monolayers functionalized by silver thiolate species as antibacterial nanocoatings on titanium and stainless steel. Journal of Materials Chemistry, 2009, 19, 141-149.	6.7	72
87	Synthesis of a NO-releasing lamellar silsesquioxane by topotactic exchange of CO2 for NO. Journal of Materials Chemistry, 2009, 19, 5723.	6.7	7
88	Perfect and nearly perfect silsesquioxane (SQs) nanoconstruction sites and Janus SQs. Journal of Sol-Gel Science and Technology, 2008, 46, 335-347.	2.4	46
89	High-Field ¹⁷O MAS NMR Investigation of Phosphonic Acid Monolayers on Titania. Chemistry of Materials, 2008, 20, 5191-5196.	6.7	130
90	Immobilization of platinum(ii) and palladium(ii) complexes on metal oxides by solâ€“gel processing and surface modification using bifunctional phosphineâ€“phosphonate esters. New Journal of Chemistry, 2008, 32, 1519.	2.8	10

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91	Non-hydrolytic synthesis of mesoporous silicaâ€"titania catalysts for the mild oxidation of sulfur compounds with hydrogen peroxide. Chemical Communications, 2008, , 5357.	4.1	50
92	First principles NMR calculations of phenylphosphinic acid C6H5HPO(OH): Assignments, orientation of tensors by local field experiments and effect of molecular motion. Journal of Magnetic Resonance, 2007, 187, 131-140.	2.1	43
93	Direct synthesis of ordered mesoporous silica functionalized by Siâ€"H groups. Journal of Materials Chemistry, 2006, 16, 1606-1607.	6.7	11
94	Characterisation of metal oxide films deposited by non-hydrolytic ALD. Surface and Interface Analysis, 2006, 38, 740-743.	1.8	6
95	One-Step Synthesis of Mesoporous Hybrid Titaniaâˆ'Silica Xerogels for the Epoxidation of Alkenes. Chemistry of Materials, 2006, 18, 4707-4709.	6.7	39
96	Nonhydrolytic vanadia-titania xerogels: Synthesis, characterization, and behavior in the selective catalytic reduction of NO by NH3. Applied Catalysis B: Environmental, 2006, 69, 49-57.	20.2	46
97	Hybrid materials from organophosphorus coupling molecules. Journal of Materials Chemistry, 2005, 15, 3761.	6.7	378
98	Electrochemical analysis of the solâ€"gel synthesis of phosphonate-modified titania through the diffusion of a functionalised ferroceneâ˜†. Talanta, 2005, 66, 1-5.	5.5	6
99	Self-Assembled Monolayers of 12-Mercaptododecylphosphonic Acid on Titania Particles; Application to the Extraction of Heavy Metals. Materials Research Society Symposia Proceedings, 2004, 847, 192.	0.1	0
100	Viscoelasticity of polydimethylsiloxane at the sol-gel threshold: structural effects. Rheologica Acta, 2004, 43, 550-558.	2.4	2
101	Combinedab initio computational and experimental multinuclear solid-state magnetic resonance study of phenylphosphonic acid. Magnetic Resonance in Chemistry, 2004, 42, 445-452.	1.9	88
102	Hybrid Organicâ€"Inorganic Materials Based on Organophosphorus Derivatives. ChemInform, 2004, 35, no.	0.0	0
103	Novel non-hydrolytic synthesis of a V2O5â€"TiO2xerogel for the selective catalytic reduction of NOxby ammonia. Chemical Communications, 2004, , 2214-2215.	4.1	28
104	Control of the Texture of Titaniaâˆ'Silica Mixed Oxides Prepared by Nonhydrolytic Solâˆ'Gel. Chemistry of Materials, 2004, 16, 5380-5386.	6.7	73
105	Structural effects on the viscoelasticity of polydimethylsiloxane networks close to the sol-gel threshold. Journal of Rheology, 2004, 48, 39-51.	2.6	12
106	Selective Surface Modification of SiO2âˆ'TiO2Supports with Phosphonic Acids. Chemistry of Materials, 2004, 16, 5670-5675.	6.7	99
107	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 335-338.	2.4	9
108	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 99-102.	2.4	15

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109	Organicâ€“inorganic hybrid materials based on organophosphorus coupling molecules: from metal phosphonates to surface modification of oxides. Comptes Rendus Chimie, 2003, 6, 1153-1164.	0.5	115
110	17O MAS NMR Study of the Bonding Mode of Phosphonate Coupling Molecules in a Titanium Oxo-Alkoxo-Phosphonate and in Titania-Based Hybrid Materials. Chemistry of Materials, 2003, 15, 4098-4103.	6.7	60
111	Organosilsesquioxaneâ˜'Titanium Oxide Hybrids by Nonhydrolytic Solâ˜'Gel Processes. Study of the Rearrangement of Siâ˜'Oâ˜'Ti Bonds. Chemistry of Materials, 2003, 15, 1530-1534.	6.7	31
112	Hybrid materials and silica: drastic control of surfaces and porosity of xerogels via ageing temperature, and influence of drying step on polycondensation at silicon. Journal of Materials Chemistry, 2002, 12, 3021-3026.	6.7	18
113	Role of Redistribution Reactions in the Polymer Route to Siliconâ€“Carbonâ€“Oxygen Ceramics. Journal of the American Ceramic Society, 2002, 85, 1185-1189.	3.8	42
114	Organically modified aluminas by grafting and solâ€“gel processes involving phosphonate derivatives. Journal of Materials Chemistry, 2001, 11, 3161-3165.	6.7	93
115	Syntheses, Characterizations, and Single-Crystal X-ray Structures of Soluble Titanium Alkoxide Phosphonates. Inorganic Chemistry, 2000, 39, 3325-3332.	4.0	70
116	Novel aluminium phenyl, benzyl, and bromobenzylphosphonates: structural characterisation and hydrationâ€“dehydration reactions. Journal of Materials Chemistry, 2000, 10, 1593-1601.	6.7	17
117	Title is missing!. Journal of Sol-Gel Science and Technology, 1999, 14, 27-38.	2.4	106
118	Syntheses and single-crystal structures of novel soluble phosphonato- and phosphinato-bridged titanium oxo alkoxides. Journal of the Chemical Society Dalton Transactions, 1999, , 1537-1538.	1.1	64
119	Synthesis and characterization of microporous pillared Î±â€zirconium phosphateâ€“biphenylenebis(phosphonate). Journal of Materials Chemistry, 1999, 9, 2553-2557.	6.7	25
120	Nonhydrolytic synthesis and structural study of methoxyl-terminated polysiloxane D/Q resins. Journal of Polymer Science Part A, 1998, 36, 2415-2425.	2.3	27
121	Nonhydrolytic sol-gel routes to layered metal(IV) and silicon phosphonates. Journal of Materials Chemistry, 1998, 8, 1827-1833.	6.7	38
122	Influence of the nature of the organic precursor on the textural and chemical properties of silsesquioxane materials. Journal of Materials Chemistry, 1998, 8, 2707-2713.	6.7	69
123	Non-hydrolytic solâ€“gel process: zirconium titanate gels. Journal of Materials Chemistry, 1997, 7, 279-284.	6.7	58
124	Nonhydrolytic Solâ˜'Gel Process:Â Aluminum Titanate Gels. Chemistry of Materials, 1997, 9, 1098-1102.	6.7	77
125	A Solution Chemistry Study of Nonhydrolytic Solâ˜'Gel Routes to Titania. Chemistry of Materials, 1997, 9, 694-698.	6.7	150
126	Nonhydrolytic Sol-Gel Process: Aluminium and Zirconium Titanate Gels. Journal of Sol-Gel Science and Technology, 1997, 8, 89-93.	2.4	1

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127	Mixed oxides SiO2â€“ZrO2and SiO2â€“TiO2by a non-hydrolytic solâ€“gel route. Journal of Materials Chemistry, 1996, 6, 1665-1671.	6.7	161
128	Preparation of anatase, brookite and rutile at low temperature by non-hydrolytic solâ€“gel methods. Journal of Materials Chemistry, 1996, 6, 1925-1932.	6.7	121
129	Novel non-hydrolytic sol-gel route to metal oxides. Journal of Sol-Gel Science and Technology, 1994, 2, 25-28.	2.4	44
130	Thermal isomerization of alternating silphenylene-siloxane copolymer. Journal of Polymer Science Part A, 1994, 32, 187-191.	2.3	15
131	Structural Characterization of Sol-Gel Derived Oxycarbide Glasses. 1. Study of the Pyrolysis Process. Chemistry of Materials, 1994, 6, 796-802.	6.7	156
132	Preparation of Transition Metal Oxides By A Nonhydrolytic Sol-Gel Process. Materials Research Society Symposia Proceedings, 1994, 346, 339.	0.1	27
133	Mechanism of pyrolysis of polycarbosilanes: poly(silylethylene) and poly(dimethylsilylethylene). Organometallics, 1993, 12, 454-462.	2.3	98
134	Materials chemistry communications. Preparation of monolithic metal oxide gels by a non-hydrolytic solâ€“gel process. Journal of Materials Chemistry, 1992, 2, 673-674.	6.7	85
135	Organosilicon polymers: pyrolysis chemistry of poly[(dimethylsilylene)diacetylene]. Organometallics, 1992, 11, 2507-2513.	2.3	90
136	Mechanism of the thermal decomposition of tetraethylammonium in zeolite .beta.. The Journal of Physical Chemistry, 1992, 96, 3807-3811.	2.9	91
137	Poly(vinylsilane): a precursor to silicon carbide. 1. Preparation and characterization. Organometallics, 1991, 10, 1457-1461.	2.3	69
138	Organosilicon polymers: pyrolysis of poly[(silanylene)diethynylene]s. Journal of Organometallic Chemistry, 1990, 396, C35-C38.	1.8	29
139	Hybrid Organic-Inorganic Materials Based on Organophosphorus Derivatives. Topics in Current Chemistry, 0, , 145-174.	4.0	120