

Francois O Ribot

List of Publications by Year in descending order

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113
papers

6,338
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109321

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121
all docs

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docs citations

121
times ranked

6995
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed Hybrid Organic~Inorganic Nanocomposites from Functional Nanobuilding Blocks. <i>Chemistry of Materials</i> , 2001, 13, 3061-3083.	6.7	1,194
2	Controlled Formation of Highly Organized Mesoporous Titania Thin Films:~ From Mesostructured Hybrids to Mesoporous Nanoanatase TiO ₂ . <i>Journal of the American Chemical Society</i> , 2003, 125, 9770-9786.	13.7	871
3	Molecular design of hybrid organic-inorganic nanocomposites synthesized via sol-gel chemistry. <i>Journal of Materials Chemistry</i> , 1999, 9, 35-44.	6.7	285
4	~Chimie douce~ A land of opportunities for the designed construction of functional inorganic and hybrid organic-inorganic nanomaterials. <i>Comptes Rendus Chimie</i> , 2010, 13, 3-39.	0.5	270
5	Design of functional nano-structured materials through the use of controlled hybrid organic~inorganic interfaces. <i>Comptes Rendus Chimie</i> , 2003, 6, 1131-1151.	0.5	183
6	Molecular Engineering of Functional Inorganic and Hybrid Materials. <i>Chemistry of Materials</i> , 2014, 26, 221-238.	6.7	147
7	Hydrolysis of Monobutyltin Trialkoxides: Synthesis and Characterizations of {(BuSn)12O14(OH)6}(OH)2. <i>Inorganic Chemistry</i> , 1995, 34, 6371-6379.	4.0	137
8	Synthesis and characterization of crystalline tin oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2002, 12, 2396-2400.	6.7	137
9	A Top~Down Synthesis Route to Ultrasmall Multifunctional Gd~Based Silica Nanoparticles for Theranostic Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 6122-6136.	3.3	115
10	Organically Functionalized Metallic Oxo-Clusters: Structurally Well-Defined Nanobuilding Blocks for the Design of Hybrid Organic-Inorganic Materials. <i>Comments on Inorganic Chemistry</i> , 1999, 20, 327-371.	5.2	113
11	Zwitterionic polymer ligands: an ideal surface coating to totally suppress protein-nanoparticle corona formation?. <i>Biomaterials</i> , 2019, 219, 119357.	11.4	110
12	Reaction of Butyltin Hydroxide Oxide with p-Toluenesulfonic Acid: Synthesis, X-ray Crystal Analysis, and Multinuclear NMR Characterization of {(BuSn)12O14(OH)6}(4-CH ₃ C ₆ H ₄ SO ₃) ₂ . <i>Organometallics</i> , 2000, 19, 1940-1949.	2.3	109
13	The structure of low temperature crystallized LiCoO ₂ . <i>Solid State Ionics</i> , 1995, 80, 111-118.	2.7	97
14	Hydrolysis-condensation process of .beta.-diketonates-modified cerium(IV) isopropoxide. <i>Chemistry of Materials</i> , 1991, 3, 759-764.	6.7	96
15	Molecular Design of Sol-Gel Derived Hybrid Organic-Inorganic Nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 31-38.	2.4	93
16	Structural characterization of titanium-oxo-polymers synthesized in the presence of protons or complexing ligands as inhibitors. <i>Journal of Non-Crystalline Solids</i> , 2000, 265, 83-97.	3.1	93
17	Molecular and supramolecular dynamics of hybrid organic~inorganic interfaces for the rational construction of advanced hybrid nanomaterials. <i>Chemical Society Reviews</i> , 2011, 40, 829-848.	38.1	77
18	New synthesis of the nanobuilding block {(BuSn)12O14(OH)6}2+ and exchange properties of {(BuSn)12O14(OH)6}(O ₃ SC ₆ H ₄ CH ₃) ₂ . <i>Journal of Organometallic Chemistry</i> , 1998, 567, 137-142.	1.8	73

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19	Synthesis through an in situ esterification process and characterization of oxo isopropoxo titanium clusters. <i>Inorganica Chimica Acta</i> , 1998, 279, 144-151.	2.4	70
20	Charge Transfer at Hybrid Interfaces: Plasmonics of Aromatic Thiol-Capped Gold Nanoparticles. <i>ACS Nano</i> , 2015, 9, 7572-7582.	14.6	67
21	Ketones as an oxolation source for the synthesis of titanium-oxo-organoclusters. <i>New Journal of Chemistry</i> , 1999, 23, 1079-1086.	2.8	66
22	X-ray and spectroscopic investigations of the structure of yttrium acetate tetrahydrate. <i>Inorganica Chimica Acta</i> , 1991, 185, 239-245.	2.4	64
23	New Photochromic Hybrid Organic-Inorganic Materials Built from Well-Defined Nano-Building Blocks. <i>Advanced Materials</i> , 2002, 14, 1496-1499.	21.0	63
24	New Insights into the Structures of Diorganotellurium Oxides. The First Polymeric Diorganotelluroxane [(p-MeOC ₆ H ₄) ₂ TeO] _n . <i>Organometallics</i> , 2003, 22, 3257-3261.	2.3	63
25	Covalent grafting of organoalkoxysilanes on silica surfaces in water-rich medium as evidenced by ²⁹ Si NMR. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 152-157.	2.4	62
26	Characterization of Titanium Dioxide Nanoparticles Dispersed in Organic Ligand Solutions by Using a Diffusion-Ordered Spectroscopy-Based Strategy. <i>Chemistry - A European Journal</i> , 2007, 13, 6957-6966.	3.3	59
27	EXAFS, Raman and ³¹ P NMR study of amorphous titanium phosphates. <i>Journal of Non-Crystalline Solids</i> , 1994, 170, 250-262.	3.1	54
28	On the assignment of ¹¹⁹ Sn resonances of bis[dicarboxylatotetraorganodistannoxanes] in solution and solid state ¹¹⁹ Sn NMR spectra. <i>Journal of Organometallic Chemistry</i> , 1998, 552, 177-186.	1.8	52
29	General Routes to Functional Organotin Trichlorides and Trialkoxides Involving the Tricyclohexylstannyl Group. <i>Organometallics</i> , 1995, 14, 685-689.	2.3	51
30	Ink Jet Printing of Microdot Arrays of Mesostructured Silica. <i>Journal of the American Ceramic Society</i> , 2006, 89, 1876-1882.	3.8	48
31	N-Heterocyclic carbene-stabilized gold nanoparticles with tunable sizes. <i>Dalton Transactions</i> , 2018, 47, 6850-6859.	3.3	43
32	Development and Characterization of Rare Earth-Rich Glassy Matrices Envisaged for the Immobilization of Concentrated Nuclear Waste Solutions. <i>Nuclear Science and Engineering</i> , 2006, 153, 272-284.	1.1	40
33	Molecular design of hybrid organic-inorganic materials with electronic properties. <i>Journal of Sol-Gel Science and Technology</i> , 1994, 2, 161-166.	2.4	38
34	Solution and Solid State Multinuclear NMR Investigation of the Structure of {(BuSn) ₁₂ O ₁₄ (OH) ₆ }(O ₂ PPh ₂) ₂ . <i>Inorganic Chemistry</i> , 1998, 37, 911-917.	4.0	38
35	Di-n-butyltin Methyl- and Phenylphosphonates. <i>Organometallics</i> , 2001, 20, 2593-2603.	2.3	38
36	New route to monoorganotin oxides and alkoxides from trialkynylorganotins. <i>Chemical Communications</i> , 1998, , 369-370.	4.1	37

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37	In situ evaluation of interfacial affinity in CeO ₂ based hybrid nanoparticles by pulsed field gradient NMR. <i>Chemical Communications</i> , 2005, , 1019.	4.1	37
38	Tunable Multifunctional Mesoporous Silica Microdots Arrays by Combination of Inkjet Printing, EISA, and Click Chemistry. <i>Chemistry of Materials</i> , 2012, 24, 4337-4342.	6.7	36
39	Nanophase Segregation of Self-Assembled Monolayers on Gold Nanoparticles. <i>ACS Nano</i> , 2017, 11, 7371-7381.	14.6	35
40	The First Structure of a Cerium(IV) Phosphate: Ab Initio Rietveld Analysis of CeIV(PO ₄)(HPO ₄) _{0.5} (H ₂ O) _{0.5} . <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5691-5694.	13.8	33
41	First example of biopolymer-polyoxometalate complex coacervation in gelatin-decavanadate mixtures. <i>Soft Matter</i> , 2008, 4, 735.	2.7	32
42	Probing Ionic Association on Metal Oxide Clusters by Pulsed Field Gradient NMR Spectroscopy: The Example of Sn ¹² Oxo Clusters. <i>Chemistry - A European Journal</i> , 2004, 10, 1747-1751.	3.3	31
43	Poly[{(BuSn) ₁₂ O ₁₄ (OH) ₆ }(AMPS) ₂] and poly[methyl acrylate-co-{(BuSn) ₁₂ O ₁₄ (OH) ₆ }(AMPS) ₂]: hybrid polymers cross-linked through electrostatic interactions. <i>Journal of Materials Chemistry</i> , 2005, 15, 3973.	6.7	29
44	Structural and spectroscopic characterisation of Cr:Li ₂ MgSiO ₄ (³⁰ I). <i>Journal of Materials Chemistry</i> , 2002, 12, 1525-1529.	6.7	27
45	New Monofunctional POSS and Its Utilization as Dewetting Additive in Methacrylate Based Free-Standing Films. <i>Chemistry of Materials</i> , 2009, 21, 4163-4171.	6.7	27
46	Hybrid organic-inorganic copolymers based on oxo-hydroxo organotin nanobuilding blocks. <i>Journal of Sol-Gel Science and Technology</i> , 1997, 8, 529-533.	2.4	26
47	X-ray Diffraction and 2D Gradient-Assisted ¹ H- ¹¹⁹ Sn HMQC NMR Studies of Structures Obtained from Nucleophilic Substitutions on Dimethyltin(IV) Salicylaldoximates. <i>Organometallics</i> , 1997, 16, 4377-4385.	2.3	25
48	New hybrid core-shell star-like architectures made of poly(n-butyl acrylate) grown from well-defined titanium oxo-clusters. <i>Journal of Materials Chemistry</i> , 2011, 21, 4470.	6.7	25
49	Preparation and properties of uniform mixed colloidal particles; VI, copper(II)-yttrium(III), and copper(II)-lanthanum(III) compounds. <i>Journal of Materials Research</i> , 1989, 4, 1123-1131.	2.6	24
50	Homogeneity-Related Problems in Solution Derived Powders. <i>Journal of Solid State Chemistry</i> , 1995, 117, 343-350.	2.9	24
51	Design of Hybrid Organic-Inorganic Nanocomposites Synthesized Via Sol-Gel Chemistry. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 354, 143-158.	0.3	24
52	Synthesis and characterization of CeIV(PO ₄)(HPO ₄) _{0.5} (H ₂ O) _{0.5} . <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1075-1078.	4.0	24
53	Assessing the Oxidation Behavior of EC:DMC Based Electrolyte on Non-Catalytically Active Surface. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080530.	2.9	24
54	Preparation of Novel, Nanocomposite Stannoxane-Based Organic-Inorganic Epoxy Polymers containing ionic bonds. <i>Macromolecules</i> , 2012, 45, 221-237.	4.8	23

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55	Nano-building block based-hybrid organic-inorganic copolymers with self-healing properties. <i>Polymer Chemistry</i> , 2014, 5, 4474-4479.	3.9	23
56	Self-supporting carbon-rich SiOC ceramic electrodes for lithium-ion batteries and aqueous supercapacitors. <i>RSC Advances</i> , 2021, 11, 35440-35454.	3.6	23
57	Probing the Anions Mediated Associative Behavior of Tin-12 Oxo-Macrocations by Pulsed Field Gradient NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16087-16091.	3.1	22
58	Ex Situ X-ray Diffraction, X-ray Absorption Near Edge Structure, Electron Spin Resonance, and Transmission Electron Microscopy Study of the Hydrothermal Crystallization of Vanadium Oxide Nanotubes: An Insight into the Mechanism of Formation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25126-25136.	3.1	22
59	Structure du bis(2-propanol)-bis-1/4-(2-propanolato)-hexakis(2-propanolato)dicérium(IV). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990, 46, 1419-1422.	0.4	21
60	Repulsion Between Inorganic Particles Inserted Within Surfactant Bilayers. <i>Physical Review Letters</i> , 2008, 101, 098101.	7.8	21
61	Nanoparticles of Low-Valence Vanadium Oxyhydroxides: Reaction Mechanisms and Polymorphism Control by Low-Temperature Aqueous Chemistry. <i>Inorganic Chemistry</i> , 2016, 55, 11502-11512.	4.0	21
62	Quantified Binding Scale of Competing Ligands at the Surface of Gold Nanoparticles: The Role of Entropy and Intermolecular Forces. <i>Small</i> , 2017, 13, 1604028.	10.0	21
63	Title is missing!. <i>Journal of Inorganic and Organometallic Polymers</i> , 1997, 7, 151-162.	1.5	20
64	A new story in the structural chemistry of cerium(IV) phosphate. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 795-798.	4.0	20
65	Inkjet-Printing-Engineered Functional Microdot Arrays Made of Mesoporous Hybrid Organosilicas. <i>Chemistry of Materials</i> , 2010, 22, 3875-3883.	6.7	20
66	Low-temperature H ₂ sensing in self-assembled organotin thin films. <i>Chemical Communications</i> , 2011, 47, 1464-1466.	4.1	20
67	Interfacing a heteropolytungstate complex and gelatin through a coacervation process: design of bioanocomposite films as novel electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9208-9220.	10.3	20
68	Direct Synthesis of N-Heterocyclic Carbene-Stabilized Copper Nanoparticles from an N-Heterocyclic Carbene-Borane. <i>Chemistry - A European Journal</i> , 2019, 25, 11481-11485.	3.3	20
69	Sol-Gel Derived Hybrid Thin Films: The Chemistry behind Processing. <i>Chemistry of Materials</i> , 2011, 23, 5082-5089.	6.7	19
70	A DFT and HF quantum chemical study of the tin nanocluster [(RSn) ₁₂ O ₁₄ (OH) ₆] ²⁺ and its interactions with anions and neutral nucleophiles: confrontation with experimental data. <i>New Journal of Chemistry</i> , 2002, 26, 1108-1117.	2.8	18
71	Behavior of Tin-Based α -Super-POSS Incorporated in Different Bonding Situations in Hybrid Epoxy Resins. <i>Macromolecules</i> , 2014, 47, 4266-4287.	4.8	18
72	Monoorganotin Oxo-Clusters : Versatile Nanobuilding Blocks for Hybrid Organic-Inorganic Materials. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 150, 41-58.	1.6	17

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73	$\text{Sn}_{12}\text{O}_8(\text{OH})_4(\text{OEt})_{28}(\text{HOEt})_4$: an Additional Member in the Family of Dodecameric Oxo Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 5831-5840.	4.0	17
74	Molecular Structure Of Metal Alkoxide Precursors. <i>Materials Research Society Symposia Proceedings</i> , 1990, 180, 47.	0.1	16
75	$\text{Ce}(\text{H}_2\text{O})(\text{PO}_4)_3/2(\text{H}_3\text{O})1/2(\text{H}_2\text{O})1/2$, a second entry in the structural chemistry of cerium(IV) phosphates. <i>Solid State Sciences</i> , 2007, 9, 672-677.	3.2	16
76	XAS study of chromium in Li_2MSiO_4 (M=Mg, Zn). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 200, 425-431.	1.4	14
77	Tin-based POSS -building blocks in epoxy nanocomposites with highly improved oxidation resistance. <i>Polymer</i> , 2014, 55, 3498-3515.	3.8	14
78	Reactivity of the tin homolog of POSS , butylstannoxane dodecamer, in O_2 -induced crosslinking reactions with an organic polymer matrix: Study of long-time behavior. <i>Polymer Degradation and Stability</i> , 2015, 118, 147-166.	5.8	14
79	Transition Metal Oxo Polymers Synthesized via Sol-Gel Chemistry. , 1992, , 267-295.		14
80	A one-pot route to prepare class II hybrid ionogel electrolytes. <i>New Journal of Chemistry</i> , 2014, 38, 2008-2015.	2.8	13
81	Mechanism and Kinetics of Oligosilsesquioxane Growth in the In Situ Water Production Sol-Gel Route: Dependence on Water Availability. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2166-2174.	2.0	13
82	Mn(V) polyhedron size in $\text{Ba}_{10}(\text{P},\text{Mn})\text{O}_4\text{F}_2$: vibrational spectroscopy and EXAFS study. <i>European Journal of Solid State and Inorganic Chemistry</i> , 1998, 35, 419-431.	0.5	12
83	Spectroscopic characterization of chromium (IV, V, VI) in $\text{Cr}:\text{Li}_2\text{MSiO}_4$ (M=Mg,Zn). <i>Journal of Applied Physics</i> , 2003, 93, 6006-6015.	2.5	12
84	The Effect of a Fourth Binding Site on the Stabilization of Cationic SPS Pincer Palladium Complexes: Experimental, DFT, and Mass Spectrometric Studies. <i>Organometallics</i> , 2009, 28, 2020-2027.	2.3	11
85	Sol-Gel Synthesis of Hybrid Organic-Inorganic Tin Oxide Based Materials. <i>Materials Research Society Symposia Proceedings</i> , 1994, 346, 121.	0.1	10
86	Synthesis, characterization, and rheological properties of hybrid titanium star-shaped poly(<i>n</i> -butyl acrylate). <i>Journal of Polymer Science Part A</i> , 2011, 49, 2636-2644.	2.3	10
87	Incorporation and chemical effect of Sn- POSS cages in poly(ethyl methacrylate). <i>European Polymer Journal</i> , 2015, 68, 366-378.	5.4	10
88	Chemistry of Hybrid Organic-Inorganic Materials Synthesized via Sol-Gel. <i>Materials Science Forum</i> , 1994, 152-153, 313-318.	0.3	9
89	Effect of network mesh size on the thermo-mechanical properties of epoxy nanocomposites with the heavier homologue of POSS , the inorganic butylstannoxane cages. <i>European Polymer Journal</i> , 2014, 57, 169-181.	5.4	9
90	^{119}Sn SOLID STATE NMR CHARACTERIZATION OF $\text{BuSn}(\text{OH})$. <i>Main Group Metal Chemistry</i> , 2002, 25, .	1.6	8

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91	Carboxylate-Containing Tin(IV) Isopropoxides: Synthesis and Characterization of [Sn(OiPr) ₂ (O ₂ CR) ₂] ₂ [R = (CH ₃)CCH ₂ , C ₆ H ₅ , CH ₃]. European Journal of Inorganic Chemistry, 2006, 2006, 802-807.	2.0	8
92	⁸⁷ Sr, ¹¹⁹ Sn, ¹²⁷ I Single and ¹ H/ ¹⁹ F-Double Resonance Solid-State NMR Experiments: Application to Inorganic Materials and Nanobuilding Blocks. ChemistrySelect, 2016, 1, 4509-4519.	1.5	8
93	Polyurethane nanocomposites containing the chemically active inorganic Sn-POSS cages. Reactive and Functional Polymers, 2019, 143, 104338.	4.1	8
94	Hybrid Materials Made by Polymerization of the Nanobuilding Blocks {(BuSn) ₁₂ O ₁₄ (OH) ₆ } ₂₊ (AAMPS ⁺) ₂ (AAMPS = 2-acrylamido-2-methyl-1-propanesulfonate). Materials Research Society Symposia Proceedings, 1998, 519, 29.	0.1	7
95	Solid-state NMR study of[(Ph ₃ SnF) ₂ (Ph ₃ SnO ₂ PPh ₂)], a novel coordination polymer prepared from Bu ₄ N[Ph ₃ SnF ₂] and[Ph ₃ SnOPPh ₂ OSnPh ₃](O ₃ SCF ₃). Applied Organometallic Chemistry, 2004, 18, 353-358.	3.5	6
96	Structural Characterisations of Rare Earth-Rich Glasses for Nuclear Waste Immobilisation. Materials Research Society Symposia Proceedings, 2003, 807, 319.	0.1	5
97	Hybrid Organic-Inorganic Materials Based on Nanobuilding Blocks Assembled through Electrostatic Interactions. Journal of Sol-Gel Science and Technology, 2004, 32, 37-41.	2.4	5
98	Quantitative analysis of polymer mixtures in solution by pulsed field-gradient spin echo NMR spectroscopy. Journal of Magnetic Resonance, 2013, 231, 46-53.	2.1	5
99	Radical-Initiated Dismutation of Hydrosiloxanes by Catalytic Potassium-Graphite. ChemCatChem, 2019, 11, 3781-3785.	3.7	5
100	Alkoxysilane effect in hybrid material: A comparison of pHEMA-TiO ₂ and pMAPTMS-TiO ₂ nanoparticulate hybrids. Materials Research Bulletin, 2019, 114, 130-137.	5.2	5
101	An Organotin Oxo-Carboxylate Cluster Functionalized by Triethoxysilyl Groups. Materials Research Society Symposia Proceedings, 2000, 628, 1.	0.1	4
102	Modification and Characterization of Si-Based Nanobuilding Blocks Precursors for Hybrid Materials. Materials Research Society Symposia Proceedings, 2004, 847, 180.	0.1	4
103	Hydrophobic Coatings by Thiol-Ene Click Functionalization of Silsesquioxanes with Tunable Architecture. Materials, 2017, 10, 913.	2.9	4
104	Architecture of Silsesquioxanes. , 2018, , 3119-3151.		4
105	Stability and degradation of PEO ₂₀ PPO ₇₀ PEO ₂₀ triblock copolymers in mesostructured silica. Journal of Sol-Gel Science and Technology, 2019, 91, 552-566.	2.4	4
106	Vanadium clusters in doped ZrO ₂ -SiO ₂ toughened ceramic composites obtained from alkoxides. Solid State Ionics, 1993, 63-65, 218-225.	2.7	3
107	Functionalized alkoxy tin clusters as nanobuilding blocks for hybrid materials. Progress in Solid State Chemistry, 2005, 33, 89-97.	7.2	3
108	Hydrolysis-Condensation of Alkyltin-Trialkoxides. Materials Research Society Symposia Proceedings, 1992, 271, 45.	0.1	2

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109	Covalent Grafting of Organoalkoxysilanes on Silica Surfaces in Water-Rich Medium as Evidenced by ²⁹ Si NMR. Materials Research Society Symposia Proceedings, 2007, 1007, 1.	0.1	1
110	Synthesis and Structural Characterization of Organically-Modified Microporous Silicates. Materials Research Society Symposia Proceedings, 1998, 519, 363.	0.1	0
111	The First Structure of a Cerium(IV) Phosphate: Ab initio Rietveld Analysis of Ce(IV)(PO ₄)(HPO ₄) _{0.5} (H ₂ O) _{0.5} . ChemInform, 2005, 36, no.	0.0	0
112	Architecture of Silsesquioxanes. , 2016, , 1-34.		0
113	Molecular design of hybrid organic-inorganic materials. European Physical Journal Special Topics, 1993, 03, C7-1349-C7-1355.	0.2	0