

Erhard Kemnitz

List of Publications by Year in descending order

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399
papers

10,377
citations

43973

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all docs

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docs citations

407
times ranked

5931
citing authors

#	ARTICLE	IF	CITATIONS
1	The ethylene glycol-mediated sol-gel synthesis of nano AlF_3 : structural and acidic properties after different post treatments. Dalton Transactions, 2022, 51, 935-945.	1.6	3
2	Improved Durability of Wood Treated with Nano Metal Fluorides against Brown-Rot and White-Rot Fungi. Applied Sciences (Switzerland), 2022, 12, 1727.	1.3	3
3	From fluorinated clusters to metal fluoride composites: small particles with marvelous properties. , 2021, , 73-116.		0
4	Chemical in-depth analysis of $(\text{Ca}/\text{Sr})\text{F}_2$ core-shell like nanoparticles by X-ray photoelectron spectroscopy with tunable excitation energy. Surface and Interface Analysis, 2021, 53, 494-508.	0.8	6
5	Structure and properties of fluorinated and non-fluorinated Ba-coordination polymers - the position of fluorine makes the difference. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1014-1024.	0.6	3
6	Luminescent properties of $\text{Eu}^{3+}/\text{Tb}^{3+}$ doped fluorine containing coordination polymers. Solid State Sciences, 2021, 117, 106614.	1.5	4
7	Local Structure of Europium-Doped Luminescent Strontium Fluoride Nanoparticles: Comparative X-ray Absorption Spectroscopy and Diffraction Study. ChemNanoMat, 2021, 7, 1221-1229.	1.5	2
8	Pd/Alumina Catalysts for Beneficial Transformation of Harmful Freon R-22. Catalysts, 2021, 11, 1178.	1.6	3
9	Palladium supported on magnesium hydroxyl fluoride: an effective acid catalyst for the hydrogenation of imines and N-heterocycles. New Journal of Chemistry, 2021, 45, 19572-19583.	1.4	5
10	A new way of assessing the interaction of a metallic phase precursor with a modified oxide support substrate as a source of information for predicting metal dispersion. Arabian Journal of Chemistry, 2020, 13, 2620-2627.	2.3	0
11	Strong Lewis acidic catalysts for C-F bond activation by fluorination of activated F_2O_3 . Catalysis Science and Technology, 2020, 10, 391-402.	2.1	12
12	Activation of pentafluoropropane isomers at a nanoscopic aluminum chlorofluoride: hydrodefluorination versus dehydrofluorination. Beilstein Journal of Organic Chemistry, 2020, 16, 2623-2635.	1.3	9
13	Nano metal fluorides: small particles with great properties. ChemTexts, 2020, 6, 1.	1.0	11
14	Breakthrough synthesis of 2,3,3,3-tetrafluoropropene via hydrogen-assisted selective dehydrochlorination of 1,1,1,2-tetrafluoro-2-chloropropane over nickel phosphides. Journal of Catalysis, 2020, 391, 366-377.	3.1	7
15	Hydrogen bonds in mixed bifluoride-nitrate salts of ammonium and potassium. Mendeleev Communications, 2020, 30, 291-292.	0.6	2
16	A HF Loaded Lewis-Acidic Aluminium Chlorofluoride for Hydrofluorination Reactions. Chemistry - A European Journal, 2020, 26, 7314-7322.	1.7	10
17	Toward Luminescent Composites by Phase Transfer of SrF_2 - Eu^{3+} Nanoparticles Capped with Hydrophobic Antenna Ligands. ChemNanoMat, 2020, 6, 1086-1095.	1.5	4
18	Termite resistance of pine wood treated with nano metal fluorides. European Journal of Wood and Wood Products, 2020, 78, 493-499.	1.3	7

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19	New 2D layered structures with direct fluorine-metal bonds: MF(CH ₃ COO) (M: Sr, Ba, Pb). CrystEngComm, 2020, 22, 2772-2780.	1.3	5
20	A general low-temperature synthesis route to polyanionic vanadium phosphate fluoride cathode materials: AVPO ₄ F (A = Li, Na, K) and Na ₃ V ₂ (PO ₄) ₂ F ₃ . Materials Chemistry Frontiers, 2019, 3, 2164-2174.	3.2	11
21	Reversible Insertion in AFeF ₃ (A = K ⁺ , NH ₄ ⁺) Cubic Iron Fluoride Perovskites. ACS Applied Materials & Interfaces, 2019, 11, 33132-33139.	4.0	18
22	Preparation of NHC Stabilized Al(III)fluorides: Fluorination of [(SIMes)AlMe ₃] with SF ₄ or Me ₃ SnF. European Journal of Inorganic Chemistry, 2019, 2019, 4735-4739.	1.0	5
23	Fe/hollow nano-MgF ₂ : a green and highly-efficient alternative to classical Cr-based catalysts for the gas-phase fluorination reaction. Catalysis Science and Technology, 2019, 9, 3015-3019.	2.1	5
24	Chlorination-Promoted Cage Transformation of IPR C ₉₂ Discovered via Trifluoromethylation under Formation of Non-classical C ₉₂ (NC)(CF ₃) ₂₂ . Chemistry - an Asian Journal, 2019, 14, 2108-2111.	1.7	6
25	Modification of low-molecular polylactic acid by CaF ₂ nanoparticles: A new approach to change its material properties. Journal of Applied Polymer Science, 2019, 136, 47875.	1.3	6
26	Nb-doped variants of high surface aluminium fluoride: a very strong bi-acidic solid catalyst. Dalton Transactions, 2019, 48, 6834-6845.	1.6	11
27	Ca-, Sr-, and Ba-Coordination polymers based on anthranilic acid via mechanochemistry. Dalton Transactions, 2019, 48, 6513-6521.	1.6	4
28	Selective dehydrofluorination of 2-chloro-1,1,1,2-tetrafluoropropane (HCFC-244bb) to 2-chloro-3,3,3-trifluoropropene (HFO-1233xf) using nanoscopic aluminium fluoride catalysts at mild conditions. Journal of Fluorine Chemistry, 2019, 221, 61-65.	0.9	11
29	Luminescent properties of Eu ³⁺ doped CaF ₂ , SrF ₂ , BaF ₂ and PbF ₂ powders prepared by high-energy ball milling. Solid State Sciences, 2019, 91, 113-118.	1.5	18
30	Evaluation of novel nanoscaled metal fluorides on their ability to remineralize enamel caries lesions. Scientific Reports, 2019, 9, 1942.	1.6	6
31	Fluorolytic Sol-Gel Route and Electrochemical Properties of Polyanionic Transition-Metal Phosphate Fluorides. Chemistry - A European Journal, 2019, 25, 6189-6195.	1.7	8
32	Fused-pentagon C ₇₀ Cl ₂₆ obtained via chlorination-promoted Stone-Wales cage transformations of C ₇₀ . Chemical Communications, 2019, 55, 13378-13381.	2.2	8
33	Tuning mechanical reinforcement and bioactivity of 3D printed ternary nanocomposites by interfacial peptide-polymer conjugates. Biofabrication, 2019, 11, 035028.	3.7	18
34	Novel Synthesis of Anhydrous and Hydroxylated CuF ₂ Nanoparticles and Their Potential for Lithium Ion Batteries. Chemistry - A European Journal, 2018, 24, 7177-7187.	1.7	34
35	Mechanochemical synthesis, structure and properties of lead containing alkaline earth metal fluoride solid solutions M x Pb _{1-x} F ₂ (M = Ca, Sr, Ba). Solid State Sciences, 2018, 77, 45-53.	1.5	19
36	Chlorination-promoted skeletal transformation of IPR C ₇₆ discovered via trifluoromethylation under the formation of non-IPR C ₇₆ (CF ₃) _n F _m . Dalton Transactions, 2018, 47, 6898-6902.	1.6	22

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37	A facile preparation of hydroxylated magnesium fluorides as an active catalyst for biodiesel production: The effect of different aging times. <i>Materials Letters</i> , 2018, 226, 1-3.	1.3	4
38	Ca-Tetrafluorophthalate and Sr-isophthalate: mechanochemical synthesis and characterization in comparison with other Ca- and Sr-coordination polymers. <i>Dalton Transactions</i> , 2018, 47, 5743-5754.	1.6	4
39	Hydrated and dehydrated Ca-coordination polymers based on benzene-dicarboxylates: mechanochemical synthesis, structure refinement, and spectroscopic characterization. <i>CrystEngComm</i> , 2018, 20, 946-961.	1.3	13
40	A novel fluoride-doped aluminium oxide catalyst with tunable Brønsted and Lewis acidity. <i>Catalysis Science and Technology</i> , 2018, 8, 1404-1413.	2.1	10
41	A Combined 25 Mg Solid-State NMR and Ab Initio DFT Approach to Probe the Local Structural Differences in Magnesium Acetate Phases $Mg(CH_3COO)_2 \cdot nH_2O$ ($n=0, 1, 4$). <i>ChemPhysChem</i> , 2018, 19, 1722-1732.		
42	BaF-benzenedicarboxylate: the first mechanochemical synthesis of a new coordination polymer with a direct Ba-F bond. <i>Journal of Materials Science</i> , 2018, 53, 13682-13689.	1.7	7
43	On the influence of water on the mechanochemical synthesis of low F-doped Al-hydroxide fluorides. <i>Journal of Materials Science</i> , 2018, 53, 13660-13668.	1.7	3
44	Barium coordination polymers based on fluorinated and fluorine-free benzene-dicarboxylates: Mechanochemical synthesis and spectroscopic characterization. <i>Solid State Sciences</i> , 2018, 79, 99-108.	1.5	7
45	Nano Metal Fluorides for Wood Protection against Fungi. <i>ACS Applied Nano Materials</i> , 2018, 1, 1444-1449.	2.4	9
46	Catalytic features of Nb-based nanoscopic inorganic fluorides for an efficient one-pot conversion of cellulose to lactic acid. <i>Catalysis Today</i> , 2018, 306, 102-110.	2.2	9
47	Hydrogen/Deuterium Exchange Reactions of Methane with Aromatics and Cyclohexane Catalyzed by a Nanoscopic Aluminum Chlorofluoride. <i>ChemCatChem</i> , 2018, 10, 403-406.	1.8	7
48	Regioselective Synthesis of [6,6]-Open and [5,6]-Closed $C_{70}(CF_3)_8[CH_2]_2$ Methanofullerenes with Rapid [6,6]-to-[5,6] Phototransformation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 750-758.	1.2	4
49	Identification of F-species after adsorption at the surface of milled and unmilled γ -Al ₂ O ₃ . <i>Surfaces and Interfaces</i> , 2018, 10, 117-122.	1.5	6
50	Development of complex magnesium fluoro aluminates via the fluorolytic sol-gel synthesis. <i>Journal of Materials Chemistry C</i> , 2018, 6, 72-82.	2.7	3
51	Experimental and Theoretical Approach to Variable Chlorination-Promoted Skeletal Transformations in Fullerenes: The Case of C_{102} . <i>Inorganic Chemistry</i> , 2018, 57, 4222-4225.	1.9	23
52	Fluorolytic Sol-Gel Synthesis of Nanometal Fluorides: Accessing New Materials for Optical Applications. <i>Inorganics</i> , 2018, 6, 128.	1.2	10
53	Comparative study of the strongest solid Lewis acids known: ACF and $HS-AlF_3$. <i>Dalton Transactions</i> , 2018, 47, 16461-16473.	1.6	18
54	Reversible Sodium and Lithium Insertion in Iron Fluoride Perovskites. <i>Advanced Functional Materials</i> , 2018, 28, 1802057.	7.8	33

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55	Modifying the reactivity of a solid Lewis acid: niobium and antimony doped nanoscopic aluminum fluoride. <i>Catalysis Science and Technology</i> , 2018, 8, 3151-3159.	2.1	12
56	Rebuilding C ₆₀ : Chlorination-Promoted Transformations of the Buckminsterfullerene into Pentagon-Fused C ₆₀ Derivatives. <i>Inorganic Chemistry</i> , 2018, 57, 8325-8331.	1.9	28
57	Photochemical activation of SF ₆ by N-heterocyclic carbenes to provide a deoxyfluorinating reagent. <i>Chemical Communications</i> , 2018, 54, 9753-9756.	2.2	38
58	Synthesis and Characterization of Perovskite-Type [K ^x Nax]MgF ₃ Mixed Phases via the Fluorolytic Sol-Gel Synthesis. <i>Crystals</i> , 2018, 8, 66.	1.0	5
59	Novel and easy access to highly luminescent Eu and Tb doped ultra-small CaF ₂ , SrF ₂ and BaF ₂ nanoparticles – structure and luminescence. <i>Dalton Transactions</i> , 2017, 46, 2925-2936.	1.6	46
60	Tightly Bound Double-Caged [60]Fullerene Derivatives with Enhanced Solubility: Structural Features and Application in Solar Cells. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1075-1086.	1.7	7
61	Chloro Derivatives of Isomers of a Giant Fullerene C ₁₀₄ : C ₁₀₄ (234)Cl _{16/18} , C ₁₀₄ (812)Cl _{12/24} , and C ₁₀₄ (811)Cl ₂₈ . <i>Chemistry - A European Journal</i> , 2017, 23, 4761-4764.	1.7	4
62	Ca- and Sr-tetrafluoroisophthalates: mechanochemical synthesis, characterization, and ab initio structure determination. <i>Dalton Transactions</i> , 2017, 46, 6003-6012.	1.6	15
63	Core-shell metal fluoride nanoparticles via fluorolytic sol-gel synthesis – a fast and efficient construction kit. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5444-5450.	2.7	18
64	Selective reduction of a C-Cl bond in halomethanes with Et ₃ GeH at nanoscopic Lewis acidic Aluminium fluoride. <i>Journal of Organometallic Chemistry</i> , 2017, 847, 234-241.	0.8	8
65	Direct Observation of Coordinatively Unsaturated Sites on the Surface of a Fluoride-Doped Alumina Catalyst. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12206-12213.	1.5	19
66	Via precise interface engineering towards bioinspired composites with improved 3D printing processability and mechanical properties. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5037-5047.	2.9	23
67	Skeletal Transformation of a Classical Fullerene C ₈₈ into a Nonclassical Fullerene Chloride C ₈₄ Cl ₃₀ Bearing Quaternary Sequentially Fused Pentagons. <i>Journal of the American Chemical Society</i> , 2017, 139, 4651-4654.	6.6	25
68	Aluminium fluoride – the strongest solid Lewis acid: structure and reactivity. <i>Catalysis Science and Technology</i> , 2017, 7, 773-796.	2.1	73
69	Consecutive Transformations of Tetrafluoropropenes: Hydrogermylation and Catalytic C-F Activation Steps at a Lewis Acidic Aluminum Fluoride. <i>Angewandte Chemie</i> , 2017, 129, 16556-16559.	1.6	18
70	Consecutive Transformations of Tetrafluoropropenes: Hydrogermylation and Catalytic C-F Activation Steps at a Lewis Acidic Aluminum Fluoride. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16338-16341.	7.2	71
71	Mechanochemical synthesis of PbF ₂ by high energy ball milling. <i>Solid State Sciences</i> , 2017, 72, 41-46.	1.5	16
72	Strontium-coordination polymers based on tetrafluorophthalic and phthalic acids: mechanochemical synthesis, ab initio structures determination, and spectroscopic characterization. <i>Dalton Transactions</i> , 2017, 46, 12574-12587.	1.6	13

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73	Et ₃ GeH versus Et ₃ SiH: controlling reaction pathways in catalytic C–F bond activations at a nanoscopic aluminum chlorofluoride. <i>Catalysis Science and Technology</i> , 2017, 7, 3348-3354.	2.1	25
74	Sol–gel synthesis of Sr _{1-x} Yb _x F _{2+x} nanoparticles dispersible in acrylates. <i>RSC Advances</i> , 2017, 7, 56266-56270.	1.7	6
75	Palladium Supported on Fluorinated Magnesium Hydroxide: An Efficient Catalyst for Hydrogenation under Ambient Conditions. <i>ChemistrySelect</i> , 2017, 2, 10618-10627.	0.7	12
76	Activation of Chlorinated Methanes at the Surface of Nanoscopic Lewis Acidic Aluminum Fluorides. <i>ChemCatChem</i> , 2017, 9, 839-845.	1.8	14
77	Detection of suspended nanoparticles with near-ambient pressure x-ray photoelectron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 474002.	0.7	22
78	On the Morphology of Group II Metal Fluoride Nanocrystals at Finite Temperature and Partial Pressure of HF. <i>Molecules</i> , 2017, 22, 663.	1.7	3
79	Sol-Gel-Synthesis of Nanoscopic Complex Metal Fluorides. <i>Nanomaterials</i> , 2017, 7, 362.	1.9	11
80	The First Experimentally Confirmed Isolated Pentagon Rule (IPR) Isomers of Higher Fullerene C ₉₈ Captured as Chlorides, C ₉₈ (248)Cl ₂₂ and C ₉₈ (116)Cl ₂₀ . <i>Chemistry - A European Journal</i> , 2016, 22, 5138-5141.	1.7	6
81	New Isolated–Pentagon–Rule and Skeletally Transformed Isomers of C ₁₀₀ Fullerene Identified by Structure Elucidation of their Chloro Derivatives. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3451-3454.	7.2	26
82	Heterogeneous Catalytic Hydroarylation of Olefins at a Nanoscopic Aluminum Chlorofluoride. <i>ChemCatChem</i> , 2016, 8, 1945-1950.	1.8	23
83	New Isolated–Pentagon–Rule and Skeletally Transformed Isomers of C ₁₀₀ Fullerene Identified by Structure Elucidation of their Chloro Derivatives. <i>Angewandte Chemie</i> , 2016, 128, 3512-3515.	1.6	9
84	Unusual Chlorination Patterns of Three IPR Isomers of C ₈₈ Fullerene in C ₈₈ (7)Cl _{12/24} , C ₈₈ (17)Cl ₂₂ , and C ₈₈ (33)Cl _{12/14} . <i>Chemistry - an Asian Journal</i> , 2016, 11, 77-80.	1.7	16
85	Local Structures of Solid Solutions Sr _{1-x} Yb _x F _{2+x} (x = 0...0.5) with Fluorite Structure Prepared by Sol–Gel and Mechanochemical Syntheses. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8992-8999.	1.5	17
86	Mechanochemical synthesis of low-fluorine doped aluminum hydroxide fluorides. <i>Journal of Solid State Chemistry</i> , 2016, 243, 154-161.	1.4	14
87	Stepwise Regioselective Hydrogenation of <i>cis</i> -C ₆₀ (CF ₂) ₂ Homofullerene with [6,6]–Open/Closed Valence Tautomerism. <i>Chemistry - A European Journal</i> , 2016, 22, 15485-15490.	1.7	9
88	Mechanochemical synthesis, structure, and properties of solid solutions of alkaline earth metal fluorides: M ₂ F ₂ (M: Ca, Sr, Ba). <i>Solid State Sciences</i> , 2016, 60, 65-74.	1.5	23
89	Porous MgF ₂ -over-gold nanoparticles (MON) as plasmonic substrate for analytical applications. <i>RSC Advances</i> , 2016, 6, 71557-71566.	1.7	6
90	An epoxide ring-opening reaction by using sol–gel-synthesized palladium supported on a strontium hydroxyl fluoride catalyst. <i>Comptes Rendus Chimie</i> , 2016, 19, 1237-1246.	0.2	5

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91	Nanoscaled Metal Fluorides in Heterogeneous Catalysis. , 2016, , 133-191.		8
92	New Giant Fullerenes Identified as Chloro Derivatives: Isolated-Pentagon-Rule C ₁₀₈ (1771)Cl ₁₂ and C ₁₀₆ (1155)Cl ₂₄ as well as Nonclassical C ₁₀₄ Cl ₂₄ . Inorganic Chemistry, 2016, 55, 5741-5743.	1.9	41
93	Thermal Evolution of 4- and 5-fold Coordinated Al-Sites in Aluminum Hydroxide Fluorides with Low Fluorination Degree. Journal of Physical Chemistry C, 2016, 120, 9236-9244.	1.5	18
94	Reductive Hydrogenation of C ₈₀ (CF ₃) ₈ and C ₁₀₀ (CF ₃) ₁₀ . Chemistry - an Asian Journal, 2016, 11, 1945-1954.	1.7	14
95	Novel aspects in the chemistry of the non-aqueous fluorolytic sol-gel synthesis of nanoscaled homodisperse MgF ₂ sols for antireflective coatings. Journal of Materials Chemistry C, 2016, 4, 1454-1466.	2.7	32
96	Mechanochemical Synthesis, Characterization, and Structure Determination of New Alkaline Earth Metal-Tetrafluoroterephthalate Frameworks: Ca(p-BDC-F ₄) ₂ ·4H ₂ O, Sr(p-BDC-F ₄) ₂ ·4H ₂ O, and Ba(p-BDC-F ₄). Crystal Growth and Design, 2016, 16, 1923-1933.	1.4	36
97	Palladium Supported on Magnesium Hydroxyl Fluorides as Novel Catalyst for Selective Hydrogenation of Triglycerides Under Ambient Conditions. Advanced Porous Materials, 2016, 4, 31-38.	0.3	3
98	Quantification of acidic sites of nanoscopic hydroxylated magnesium fluorides by FTIR and ¹⁵ N MAS NMR spectroscopy. RSC Advances, 2015, 5, 89659-89668.	1.7	17
99	Chlorination-Promoted Skeletal-Cage Transformations of C ₈₈ Fullerene by C ₂ Losses and a C ₁ -C Bond Rotation. Chemistry - A European Journal, 2015, 21, 15138-15141.	1.7	36
100	Generic Biocombinatorial Strategy to Select Tailor-Made Stabilizers for Sol-Gel Nanoparticle Synthesis. Small, 2015, 11, 4303-4308.	5.2	25
101	Tuning the surface properties of novel ternary iron fluoride-based catalysts using the template effect of the matrix. Dalton Transactions, 2015, 44, 5076-5085.	1.6	4
102	C ₁₀₀ is Converted into C ₉₄ Cl ₂₂ by Three Chlorination-Promoted C ₂ Losses under Formation and Elimination of Cage Heptagons. Chemistry - A European Journal, 2015, 21, 4904-4907.	1.7	36
103	Two Successive C ₂ Losses from C ₈₆ Fullerene upon Chlorination with the Formation of Nonclassical C ₈₄ Cl ₃₀ and C ₈₂ Cl ₃₀ . Chemistry - an Asian Journal, 2015, 10, 559-562.	1.7	22
104	Triethylsilane-loaded aluminium chlorofluoride. Journal of Thermal Analysis and Calorimetry, 2015, 121, 929-935.	2.0	6
105	Synthesis and X-ray structure of C ₂ -C ₉₆ (176)(CF ₃) ₁₈ . Mendeleev Communications, 2015, 25, 275-276.	0.6	9
106	Hydrodechlorination of Carbon Tetrachloride and 1,2-Dichloroethane on Palladium Nanoparticles Supported on Metal Fluorides. International Journal of Green Energy, 2015, 12, 780-786.	2.1	1
107	The non-aqueous fluorolytic sol-gel synthesis of nanoscaled metal fluorides. Dalton Transactions, 2015, 44, 19411-19431.	1.6	51
108	NbF ₅ -AlF ₃ Catalysts: Design, Synthesis, and Application in Lactic Acid Synthesis from Cellulose. ACS Catalysis, 2015, 5, 3013-3026.	5.5	66

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109	Optimisation of a sol-gel synthesis route for the preparation of MgF ₂ particles for a large scale coating process. Dalton Transactions, 2015, 44, 19501-19508.	1.6	25
110	Structural Chemistry of Basic Magnesium Acetates, Mg ₅ (OH) ₂ (OAc) ₈ ·nH ₂ O and Mg ₃ (OH) ₄ (OAc) ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1106-1109.	0.6	7
111	Magnetic nanocomposites for an efficient valorization of biomass. Journal of Applied Physics, 2015, 117, 17D724.	1.1	12
112	Mechanochemical synthesis of MgF ₂ / MF ₂ composite systems (M=Ca, Sr, Ba). Solid State Sciences, 2015, 50, 32-41.	1.5	22
113	Porous MgF ₂ antireflective films prepared by sol-gel processing: comparison of synthesis approaches. Journal of Sol-Gel Science and Technology, 2015, 76, 82-89.	1.1	24
114	Formation of nanoscopic CaF ₂ via a fluorolytic sol-gel process for antireflective coatings. Journal of Materials Chemistry C, 2015, 3, 1716-1723.	2.7	33
115	Nanoscale metal fluorides: a new class of heterogeneous catalysts. Catalysis Science and Technology, 2015, 5, 786-806.	2.1	67
116	Catalytic formation of 2,3,3,3-tetrafluoropropene from 2-chloro-3,3,3-trifluoropropene at fluorinated chromia: A study of reaction pathways. Applied Catalysis B: Environmental, 2015, 165, 200-208.	10.8	31
117	Synthesis and structures of trifluoromethyl derivatives of fullerenes C ₈₄ (16) and C ₈₄ (18). Russian Chemical Bulletin, 2014, 63, 2657-2667.	0.4	11
118	Palladium Nanoparticles Supported on Magnesium Hydroxide Fluorides: A Selective Catalyst for Olefin Hydrogenation. ChemCatChem, 2014, 6, 3182-3191.	1.8	16
119	Aluminum Fluoride-Supported Platinum and Palladium as Highly Efficient Catalysts of n-Pentane Hydroisomerization. ChemCatChem, 2014, 6, 592-602.	1.8	13
120	Supported palladium-copper catalysts: Preparation and catalytic behavior in hydrogen-related reactions. Catalysis Today, 2014, 235, 144-151.	2.2	15
121	Chlorination of IPR C ₁₀₀ Fullerene Affords Unconventional C ₉₆ Cl ₂₀ with a Nonclassical Cage Containing Three Heptagons. Angewandte Chemie - International Edition, 2014, 53, 2460-2463.	7.2	49
122	Mechanochemical Synthesis and Characterization of Alkaline Earth Metal Terephthalates: M(C ₈ H ₄ O ₄)·nH ₂ O (M = Ca, Sr). Tj ETQ 000 0 rg BT 0 Overlock	1.7	25
123	Sol-gel synthesis and characterisation of nanoscopic strontium fluoride. RSC Advances, 2014, 4, 32-38.	1.7	25
124	Antireflective Coatings with Adjustable Refractive Index and Porosity Synthesized by Micelle-Templated Deposition of MgF ₂ Sol Particles. ACS Applied Materials & Interfaces, 2014, 6, 19559-19565.	4.0	31
125	Capturing an unstable C ₁₀₀ fullerene as chloride, C ₁₀₀ (1)Cl ₁₂ , with a nanotubular carbon cage. Chemical Communications, 2014, 50, 14577-14580.	2.2	40
126	Comparison of acidic site quantification methods for a series of nanoscopic aluminum hydroxide fluorides. RSC Advances, 2014, 4, 56900-56909.	1.7	31

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127	Nanoscale CaF ₂ doped with Eu ³⁺ and Tb ³⁺ through fluorolytic sol-gel synthesis. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8607-8613.	2.7	65
128	A new approach to prepare nanoscopic rare earth metal fluorides: the fluorolytic sol-gel synthesis of ytterbium fluoride. <i>Chemical Communications</i> , 2014, 50, 6613-6616.	2.2	15
129	Solid Solutions CaF ₂ -YF ₃ with Fluorite Structure Prepared on the Sol-gel Route: Investigation by Multinuclear MAS NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21066-21074.	1.5	16
130	Structures of Chlorinated Fullerenes, IPR C ₉₆ Cl ₂₀ and Nonclassical C ₉₄ Cl ₂₈ and C ₉₂ Cl ₃₂ : Evidence of the Existence of Three New Isomers of C ₉₆ . <i>Chemistry - an Asian Journal</i> , 2014, 9, 3102-3105.	1.7	32
131	Dehydration of xylose and glucose to furan derivatives using bifunctional partially hydroxylated MgF ₂ catalysts and N ₂ -stripping. <i>Catalysis Science and Technology</i> , 2014, 4, 1357-1368.	2.1	31
132	Microwave-assisted fluorolytic sol-gel route to iron fluoride nanoparticles for Li-Ion batteries. <i>Chemical Communications</i> , 2014, 50, 460-462.	2.2	47
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