Pascal Roussel

List of Publications by Year
in descending order

320 papers	8,027 citations	61977 43 h-index	85537 71 g-index
345 all docs	345 docs citations	345 times ranked	10128 citing authors

#	Article	IF	Citations
1	Nucleolus: the fascinating nuclear body. Histochemistry and Cell Biology, 2008, 129, 13-31.	1.7	327
2	The rDNA transcription machinery is assembled during mitosis in active NORs and absent in inactive NORs.. Journal of Cell Biology, 1996, 133, 235-246.	5.2	258
3	Structures and Oxide Mobility in Biâ˜Lnâ˜O Materials:Â Heritage of Bi2O3. Chemical Reviews, 2007, 107, 80-96.	47.7	236
4	Are Binary Copper Sulfides/Selenides Really New and Promising Thermoelectric Materials?. Advanced Energy Materials, 2014, 4, 1301581.	19.5	227
5	Structure and catalytic performance of Pt-promoted alumina-supported cobalt catalysts under realistic conditions of Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2011, 277, 14-26.	6.2	211
6	A new investigation of the system Niâ€“Sn. Intermetallics, 2007, 15, 869-884.	3.9	187
7	Cyclin-dependent kinases govern formation and maintenance of the nucleolus. Journal of Cell Biology, 2002, 156, 969-981.	5.2	130
8	Atomic Layer Deposition of Functional Layers for on Chip 3D Liâ€ion All Solid State Microbattery. Advanced Energy Materials, 2017, 7, 1601402.	19.5	119
9	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 740-751.	1.1	115
10	In situXRD investigation of the evolution of alumina-supported cobaltcatalysts under realistic conditions of Fischer-Tropsch synthesis. Chemical Communications, 2010, 46, 788-790.	4.1	110
11	NiFe layered double hydroxide electrodeposited on Ni foam coated with reduced graphene oxide for high-performance supercapacitors. Electrochimica Acta, 2019, 302, 1-9.	5.2	89
12	Identification of the active species in the working alumina-supported cobalt catalyst under various conditions of Fischerâ€“Tropsch synthesis. Catalysis Today, 2011, 164, 62-67.	4.4	87
13	In Vivo Release of Mitotic Silencing of Ribosomal Gene Transcription Does Not Give Rise to Precursor Ribosomal RNA Processing. Journal of Cell Biology, 2000, 148, 259-270.	5.2	83
14	Isolation of the Large {Actinide}₃₈ Poly-oxo Cluster with Uranium. Journal of the American Chemical Society, 2013, 135, 15678-15681.	13.7	81
15	Ca₃Co₄O_{9â˜Î´}: A Thermoelectric Material for SOFC Cathode. Chemistry of Materials, 2009, 21, 4738-4745.	6.7	80
16	Unprecedented dual behaviour of a half-sandwich scandium-based initiator for both highly selective isoprene and styrene polymerisation. Chemical Communications, 2009, , 3380.	4.1	78
17	Sensing mechanism of hydrogen sensors based on palladium-loaded tungsten oxide (Pdâ€“WO3). Sensors and Actuators B: Chemical, 2013, 187, 84-93.	7.8	78
18	Novel insights into the charge storage mechanism in pseudocapacitive vanadium nitride thick films for high-performance on-chip micro-supercapacitors. Energy and Environmental Science, 2020, 13, 949-957.	30.8	78

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19	Crystal structure determination of Î±, Î² and Î³-Bi4V2O11 polymorphs. PartÂI: Î³ and Î²-Bi4V2O11. Solid State Sciences, 2003, 5, 851-859.	3.2	73
20	Fabrication of ZnCoS nanomaterial for high energy flexible asymmetric supercapacitors. Chemical Engineering Journal, 2019, 374, 347-358.	12.7	72
21	Synthesis and photocatalytic activity of iodine-doped ZnO nanoflowers. Journal of Materials Chemistry, 2011, 21, 10982.	6.7	71
22	Relationship between plasma spray operational parameters and microstructure of hydroxyapatite coatings and powder particles sprayed into water. Surface and Coatings Technology, 2006, 200, 3845-3855.	4.8	67
23	Siliconâ€Microtube Scaffold Decorated with Anatase TiO₂ as a Negative Electrode for a 3D Litiumâ€Ion Microbattery. Advanced Energy Materials, 2014, 4, 1301612.	19.5	67
24	On Chip Interdigitated Microâ€Supercapacitors Based on Sputtered Bifunctional Vanadium Nitride Thin Films with Finely Tuned Interâ€•and Intracolumnar Porosities. Advanced Materials Technologies, 2018, 3, 1800036.	5.8	65
25	Sputtered tungsten nitride films as pseudocapacitive electrode for on chip micro-supercapacitors. Energy Storage Materials, 2019, 20, 243-252.	18.0	65
26	Asymmetric micro-supercapacitors based on electrodeposited Ruo2 and sputtered VN films. Energy Storage Materials, 2021, 37, 207-214.	18.0	64
27	New fluorescent zinc complexes: towards specific sensors for hydrogen sulfide in solution. Dalton Transactions, 2009, , 9126.	3.3	62
28	Crystal structure determination of Î±-, Î²- and Î³-Bi4V2O11 polymorphs. PartÂII: crystal structure of Î±-Bi4V2O11. Solid State Sciences, 2003, 5, 861-869.	3.2	60
29	An uranyl citrate coordination polymer with a 3D open-framework involving uranyl cation-cation interactions. Dalton Transactions, 2011, 40, 2422.	3.3	56
30	Cationic borohydridoâ€“neodymium complex: Synthesis, characterization and its application as an efficient pre-catalyst for isoprene polymerisation. Dalton Transactions, 2008, , 4558.	3.3	55
31	Theoretical and experimental investigations of the thermoelectric properties of Bi2S3. Journal of Applied Physics, 2015, 117, .	2.5	55
32	Synthesis and Study of a Ce-Doped La/Sr Titanate for Solid Oxide Fuel Cell Anode Operating Directly on Methane. Chemistry of Materials, 2011, 23, 1539-1550.	6.7	54
33	Hydrothermal preparation of MoS2/TiO2/Si nanowires composite with enhanced photocatalytic performance under visible light. Materials and Design, 2016, 109, 634-643.	7.0	54
34	Synthesis and X-ray structure of a borohydrido metallocene of neodymium and its use as pre-catalyst in Nd/Mg dual-component ethylene and isoprene polymerisations. Journal of Organometallic Chemistry, 2006, 691, 86-92.	1.8	53
35	Electrochemical impedance spectroscopy of ZnO nanostructures. Electrochemistry Communications, 2009, 11, 945-949.	4.7	53
36	Interâ€•and Intramolecular Hydroamination of Unactivated Alkenes Catalysed by a Combination of Copper and Silver Salts: The Unveiling of a BrÃ¸nstedt Acid Catalysis. Advanced Synthesis and Catalysis, 2010, 352, 3293-3305.	4.3	53

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37	Synthesis and Luminescence Properties of (N-Doped) ZnO Nanostructures from a Dimethylformamide Aqueous Solution. Journal of Physical Chemistry C, 2009, 113, 13643-13650.	3.1	50
38	Synthesis and structural characterization of the first neptunium based metalâ€“organic frameworks incorporating {Np6O8} hexanuclear clusters. Chemical Communications, 2018, 54, 6979-6982.	4.1	48
39	Investigations of the effects of the growth of SnO2 nanoparticles on the structural properties of glassâ€“ceramic planar waveguides using Raman and FTIR spectroscopies. Journal of Molecular Structure, 2010, 976, 314-319.	3.6	47
40	Simultaneous photocatalytic Cr(VI) reduction and phenol degradation over copper sulphide-reduced graphene oxide nanocomposite under visible light irradiation: Performance and reaction mechanism. Chemosphere, 2021, 268, 128798.	8.2	47
41	Phosphate tungsten bronze series: crystallographic and structural properties of low-dimensional conductors. Acta Crystallographica Section B: Structural Science, 2001, 57, 603-632.	1.8	46
42	Micro-patterning of LiPON and lithium iron phosphate material deposited onto silicon nanopillars array for lithium ion solid state 3D micro-battery. Microelectronic Engineering, 2011, 88, 3172-3177.	2.4	45
43	Sputtered Titanium Carbide Thick Film for High Areal Energy on Chip Carbonâ€Based Microâ€Supercapacitors. Advanced Functional Materials, 2017, 27, 1606813.	14.9	45
44	Crystal structure and vibrational studies of butylenediammonium pentachlorobismuthate (III) hydrate [NH3(CH2)4NH3]BiCl5â‹…H2O. Journal of Molecular Structure, 2011, 990, 95-101.	3.6	44
45	Evidence of local defects in the oxygen excess apatite La9.67(SiO4)6O2.5 from high resolution neutron powder diffraction. Journal of Solid State Chemistry, 2009, 182, 3358-3364.	2.9	43
46	Subcellular localization of SREBP1 depends on its interaction with the C-terminal region of wild-type and disease related A-type lamins. Experimental Cell Research, 2011, 317, 2800-2813.	2.6	43
47	Quantification of MgO surface excess on the SnO2 nanoparticles and relationship with nanostability and growth. Applied Surface Science, 2011, 257, 4219-4226.	6.1	43
48	Influenza A H3N2 subtype virus NS1 protein targets into the nucleus and binds primarily via its C-terminal NLS2/NoLS to nucleolin and fibrillarin. Virology Journal, 2012, 9, 167.	3.4	43
49	In-depth study of the Ruddlesden-Popper LaxSr2â^'xMnO4Â±Î´ family as possible electrode materials for symmetrical SOFC. International Journal of Hydrogen Energy, 2017, 42, 21930-21943.	7.1	43
50	Polycationic disorder in [Bi6O4(OH)4](NO3)6: Structure determination using synchrotron radiation and microcrystal X-ray diffraction. Journal of Solid State Chemistry, 2006, 179, 3087-3094.	2.9	42
51	Oxidation kinetics of Ni metallic films: Formation of NiO-based resistive switching structures. Thin Solid Films, 2008, 516, 4083-4092.	1.8	42
52	Structural and dielectric/ferroelectric properties of (La1â^'xNdx)2Ti2O7 synthesized by solâ€“gel route. Journal of Solid State Chemistry, 2010, 183, 1652-1662.	2.9	42
53	Symmetry and twins in the monophosphate tungsten bronze series (PO2)4(WO3)2m (2 â‰¤ m â‰¤ 14). Acta Crystallographica Section B: Structural Science, 2000, 56, 377-391.	1.8	41
54	Synthesis, Characterization, and Reactivity of Alkyldisulfanido Zinc Complexes. Inorganic Chemistry, 2009, 48, 5921-5927.	4.0	41

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55	Ultra-high areal capacitance and high rate capability RuO2 thin film electrodes for 3D micro-supercapacitors. Energy Storage Materials, 2021, 42, 259-267.	18.0	41
56	Ferroelectricity in La2Zr2O7 thin films with a frustrated pyrochlore-type structure. Journal of Materials Chemistry C, 2014, 2, 4037.	5.5	40
57	Synthesis of T-Nb2O5 thin-films deposited by Atomic Layer Deposition for miniaturized electrochemical energy storage devices. Energy Storage Materials, 2019, 16, 581-588.	18.0	40
58	Efficient reduction of Cr(VI) under visible light irradiation using CuS nanostructures. Arabian Journal of Chemistry, 2019, 12, 215-224.	4.9	40
59	Further studies on the lithium phosphorus oxynitride solid electrolyte. Materials Chemistry and Physics, 2010, 123, 231-235.	4.0	39
60	Reversible coordinative chain transfer polymerization of styrene by rare earth borohydrides, chlorides/dialkylmagnesium systems. Journal of Polymer Science Part A, 2010, 48, 802-814.	2.3	38
61	A B23-interacting sequence as a tool to visualize protein interactions in a cellular context. Journal of Cell Science, 2007, 120, 265-275.	2.0	37
62	One-dimensional inorganic arrangement in the bismuth oxalate hydroxide Bi(C2O4)OH. Journal of Solid State Chemistry, 2008, 181, 2586-2590.	2.9	36
63	Structural phase transition in the 2D spin dimer compound SrCu 2 (BO 3) 2. European Physical Journal B, 2001, 19, 507-516.	1.5	35
64	Structural phase transition in [NH3(CH2)5NH3]BiCl5: thermal and vibrational studies. Journal of Raman Spectroscopy, 2005, 36, 1023-1028.	2.5	35
65	Tuning the catalytic properties of rare earth borohydrides for the polymerisation of isoprene. Dalton Transactions, 2013, 42, 790-801.	3.3	35
66	Structures and phases transition in hexylenediammonium pentachlorobismuthate (III) [NH3(CH2)6NH3]BiCl5 crystal. Journal of Solid State Chemistry, 2013, 200, 22-29.	2.9	35
67	Thiosemicarbazone modification of 3-acetyl coumarin inhibits AÎ² peptide aggregation and protect against AÎ²-induced cytotoxicity. European Journal of Medicinal Chemistry, 2016, 121, 803-809.	5.5	35
68	Tuning the Cation Ordering with the Deposition Pressure in Sputtered LiMn_{1.5}Ni_{0.5}O₄ Thin Film Deposited on Functional Current Collectors for Li-Ion Microbattery Applications. Chemistry of Materials, 2017, 29, 6044-6057.	6.7	35
69	Structural Characterization and Photoluminescent Properties of (La_{1â€“x}Sm_x)₂Ti₂O₇ Solid Solutions Synthesized by a Solâ€“Gel Route. European Journal of Inorganic Chemistry, 2011, 2011, 3569-3576.	2.0	34
70	Sputtered LiMn1.5Ni0.5O4 thin films for Li-ion micro-batteries with high energy and rate capabilities. Energy Storage Materials, 2018, 15, 396-406.	18.0	34
71	High performance flexible hybrid supercapacitors based on nickel hydroxide deposited on copper oxide supported by copper foam for a sunlight-powered rechargeable energy storage system. Journal of Colloid and Interface Science, 2020, 579, 520-530.	9.4	33
72	Controlled Growth of SnO2 Nanocrystals in Eu3+-Doped SiO2â”'SnO2 Planar Waveguides: A Spectroscopic Investigation. Journal of Physical Chemistry C, 2009, 113, 21555-21559.	3.1	32

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73	Solvent-free microwave-assisted Meyersâ€™ lactamization. Green Chemistry, 2010, 12, 961.	9.0	32
74	Self-template synthesis of ZnS/Ni3S2 as advanced electrode material for hybrid supercapacitors. Electrochimica Acta, 2019, 328, 135065.	5.2	32
75	Gold(I)â€Catalysed Asymmetric Hydroamination of Alkenes: Aâ€…Silverâ€•and Solventâ€Dependent Enantiodivergent Reaction. Chemistry - A European Journal, 2017, 23, 10777-10788.	3.3	31
76	Interface Excess and Polymorphic Stability of Nanosized Zirconia-Magnesia. Chemistry of Materials, 2008, 20, 3505-3511.	6.7	30
77	Evidence of ferroelectricity in metastable Sm2Ti2O7 thin film. Journal of Materials Chemistry, 2012, 22, 9806.	6.7	30
78	Synthesis of a Fe^{II}SH Complex Stabilized by an Intramolecular Nâ€“HÂ·Â·Â·S Hydrogen Bond, Which Acts as a H₂S Donor. Inorganic Chemistry, 2012, 51, 10068-10070.	4.0	30
79	Host-sensitized luminescence properties of KLa₅O₅(VO₄)₂:Eu³⁺ for solid-state lighting applications. Journal of Materials Chemistry C, 2016, 4, 7277-7285.	5.5	30
80	Synthesis and preliminary study of the double perovskite NdBaMn2O5+Î´ as symmetric SOFC electrode material. Solid State Ionics, 2016, 288, 61-67.	2.7	30
81	{Np₃₈} clusters: the missing link in the largest poly-oxo cluster series of tetravalent actinides. Chemical Communications, 2018, 54, 10060-10063.	4.1	30
82	High performance silicon nanowires/ruthenium nanoparticles micro-supercapacitors. Electrochimica Acta, 2019, 311, 150-159.	5.2	30
83	Photopatternable hydroxide ion electrolyte for solid-state micro-supercapacitors. Joule, 2021, 5, 2466-2478.	24.0	30
84	New oxybromide cobaltites with layered perovskite-related structures: 18R-Ba₆Co₅BrO₁₄ and 14H-Ba₇Co₆BrO₁₇. Acta Crystallographica Section B: Structural Science, 2007, 63, 589-596.	1.8	29
85	Nickel Exsolutionâ€Driven Phase Transformation from an n=2 to an n=1 Ruddlesdenâ€Popper Manganite for Methane Steam Reforming Reaction in SOFC Conditions. ChemCatChem, 2019, 11, 4631-4641.	3.7	29
86	Fast Electrochemical Storage Process in Sputtered Nb₂O₅ Porous Thin Films. ACS Nano, 2019, 13, 5826-5832.	14.6	29
87	Raman scattering characterization of bismuth based mixed oxides with Bi2O3 related structures. Materials Research Bulletin, 2007, 42, 1683-1690.	5.2	28
88	XRD Monitoring of Î± Self-Irradiation in Uraniumâ€“Americium Mixed Oxides. Inorganic Chemistry, 2013, 52, 14196-14204.	4.0	28
89	Asymmetric Intramolecular Hydroamination of Alkenes in Mild and Wet Conditionsâ€”Structure and Reactivity of Cationic Binuclear Gold(I) Catalysts. ChemCatChem, 2014, 6, 2235-2239.	3.7	28
90	Bis(phenolate)amine-supported lanthanide borohydride complexes for styrene and trans-1,4-isoprene (co-)polymerisations. Dalton Transactions, 2015, 44, 12312-12325.	3.3	28

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91	Thermal and vibrational studies of propylenediammonium hexachlorobismuthate dihydrate, [NH3(CH2)3NH3]3(BiCl6)2Â·2H2O. Journal of Raman Spectroscopy, 2005, 36, 791-796.	2.5	27
92	An easy solâ€“gel route for deposition of oriented Ln2Ti2O7 (Ln=La, Nd) films on SrTiO3 substrates. Journal of Crystal Growth, 2009, 311, 4134-4141.	1.5	27
93	The traffic of proteins between nucleolar organizer regions and prenucleolar bodies governs the assembly of the nucleolus at exit of mitosis. Nucleus, 2010, 1, 202-211.	2.2	27
94	Cyrhetrenyl chalcones: Synthesis, characterization and antimalarial evaluation. Journal of Organometallic Chemistry, 2013, 723, 143-148.	1.8	27
95	BaCoO_{2.22}: the most oxygen-deficient certified cubic perovskite. Dalton Transactions, 2015, 44, 10728-10737.	3.3	27
96	Mixed Allylâ€“Borohydride Lanthanide Complexes: Synthesis of Ln(BH₄)₂(C₃H₅)(THF)₃ (Ln = Nd, Sm), Characterization, and Reactivity toward Polymerization. Organometallics, 2016, 35, 456-461.	2.3	27
97	NiMnCr layered double hydroxide-carbon spheres modified Ni foam: An efficient positive electrode for hybrid supercapacitors. Chemical Engineering Journal, 2020, 396, 125370.	12.7	27
98	P4W20O68:â€ƒA complex charge-density-wave modulated structure with an antiferroelectric-like lattice distortion. Physical Review B, 2000, 62, 176-188.	3.2	26
99	New ionic half-metallocenes of early lanthanides. Journal of Alloys and Compounds, 2008, 451, 352-357.	5.5	26
100	Synthesis, structural characterization and biological activity against several human tumor cell lines of four rhenium(I) diseleno-ethers complexes: Re(CO)3Cl(PhSe(CH2)2SePh), Re(CO)3Cl(PhSe(CH2)3SePh), Re(CO)3Cl(HO2Câ€“CH2Se(CH2)2SeCH2â€“CO2H) and Re(CO)3Cl(HO2Câ€“CH2Se(CH2)3SeCH2â€“CO2H). Polyhedron, 2011, 30, 347-353.	2.2	26
101	Base-Promoted Expedient Access to Spiroisatins: Synthesis and Antitubercular Evaluation of 1H-1,2,3-Triazole-Tethered Spiroisatinâ€“Ferrocene and Isatinâ€“Ferrocene Conjugates. Organometallics, 2013, 32, 7386-7398.	2.3	26
102	Mechanisms of formation of Al4Cu9 during mechanical alloying: An experimental study. Acta Materialia, 2015, 87, 216-224.	7.9	26
103	Microwave-assisted synthesis of functionalized spirohydantoins as 3-D privileged fragments for scouting the chemical space. Tetrahedron Letters, 2016, 57, 2888-2894.	1.4	26
104	Strong Reduction of Thermal Conductivity and Enhanced Thermoelectric Properties in CoSbS1-xSex Paracostibite. Scientific Reports, 2017, 7, 46630.	3.3	26
105	Comparison of structural and electrical properties of PMN-PT films deposited on Si with different bottom electrodes. Journal of Crystal Growth, 2007, 305, 137-143.	1.5	25
106	2,6-Diphenylthiazolo[3,2-b][1,2,4]triazoles as telomeric G-quadruplex stabilizers. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3434-3438.	2.2	25
107	Sputtered Titanium Nitride: A Bifunctional Material for Li-Ion Microbatteries. Journal of the Electrochemical Society, 2015, 162, A493-A500.	2.9	25
108	The traffic of proteins between nucleolar organizer regions and prenucleolar bodies governs the assembly of the nucleolus at exit of mitosis. Nucleus, 2010, 1, 202-211.	2.2	25

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109	Structural Study of P4W14O50, a New Odd Member in the Series (PO2)4(WO3)2m. Journal of Solid State Chemistry, 1996, 122, 281-290.	2.9	24
110	Controlled SnO₂ nanocrystal growth in SiO₂â€“SnO₂ glassâ€ceramic monoliths. Journal of Raman Spectroscopy, 2012, 43, 869-875.	2.5	24
111	Synthesis and characterization of La0.6Sr0.4Co0.8Fe0.2O3 films for solid oxide fuel cell cathodes. Thin Solid Films, 2014, 553, 89-92.	1.8	24
112	Diversity of crystal structures and physicochemical properties of ciprofloxacin and norfloxacin salts with fumaric acid. CrystEngComm, 2018, 20, 755-767.	2.6	24
113	Thermal evolution and crystal structure of a polymeric complex: Pb3(3,5-dicarboxylatopyrazole)2(NO3)2Â·4H2O. Journal of Molecular Structure, 2004, 707, 63-68.	3.6	23
114	Fibrillarin and Nop56 interact before being co-assembled in box C/D snoRNPs. Experimental Cell Research, 2009, 315, 928-942.	2.6	23
115	Performance of La0.5Sr1.5MnO4Â±Î´ Ruddlesden-Popper manganite as electrode material for symmetrical solid oxide fuel cells. Part A. The oxygen reduction reaction. Electrochimica Acta, 2019, 304, 415-427.	5.2	23
116	Atomic Layer Deposition of a Nanometer-Thick Li₃PO₄ Protective Layer on LiNi_{0.5}Mn_{1.5}O₄ Films: Dream or Reality for Long-Term Cycling?. ACS Applied Materials & Interfaces, 2021, 13, 15761-15773.	8.0	23
117	Spin-Flop Transition and Magnetocaloric Effect through Disconnected Magnetic Blocks in Co^{III}/Co^{IV} Oxybromides. Chemistry of Materials, 2010, 22, 3807-3816.	6.7	22
118	Microstructure and Nanoscale Piezoelectric/Ferroelectric Properties in La₂Ti₂O₇ Thin Films Grown on (110)â€Oriented Doped Nb:SrTiO₃ Substrates. Advanced Engineering Materials, 2011, 13, 961-969.	3.5	22
119	Magnetic Co₃O₄/reduced graphene oxide nanocomposite as a superior heterogeneous catalyst for one-pot oxidative esterification of aldehydes to methyl esters. RSC Advances, 2015, 5, 88567-88573.	3.6	22
120	Hydrothermal synthesis, structure and thermal stability of diamine templated layered uranyl-vanadates. Journal of Solid State Chemistry, 2007, 180, 713-724.	2.9	21
121	[Ni(H2O)4]3[U(OH,H2O)(UO2)8O12(OH)3], crystal structure and comparison with uranium minerals with U3O8-type sheets. Journal of Solid State Chemistry, 2009, 182, 905-912.	2.9	21
122	X-ray, thermal and vibrational studies of two structural phases transition in hexylenediammonium pentachlorobismuthate (III) [NH3(CH2)6NH3]BiCl5. Journal of Molecular Structure, 2012, 1028, 79-87.	3.6	21
123	Stability limit of the layered-perovskite structure in Ln2Ti2O7 (Ln = lanthanide) thin films grown on (110)-oriented SrTiO3 substrates by the solâ€gel route. Journal of Materials Chemistry, 2012, 22, 24894.	6.7	21
124	Β-Î±-[AsW₉O₃₃]^{9â^'} polyoxometalates incorporating hexanuclear uranium {U₆O₈}-like clusters bearing the U^{IV} form or unprecedented mixed valence U^{IV}/U^{VI} involving direct U^{VI}îŒâ€U^{IV} bonding. Dalton Transactions, 2015, 44, 19772-19776.	3.3	21
125	Sharing the mitotic pre-ribosomal particles between daughter cells. Journal of Cell Science, 2016, 129, 1592-604.	2.0	21
126	Bi17Yb7O36 and BiYbO3: two new compounds from the Bi2O3â€Yb2O3 equilibrium phase diagram determination. Materials Research Bulletin, 2004, 39, 1393-1405.	5.2	20

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127	Local relaxation in lanthanum silicate oxyapatites by Raman scattering and MASâ€NMR. Journal of Raman Spectroscopy, 2011, 42, 1455-1461.	2.5	20
128	Hydroxypropyl-Î²-cyclodextrin as a versatile additive for the formation of metastable tetragonal zirconia exhibiting high thermal stability. CrystEngComm, 2013, 15, 2076-2083.	2.6	20
129	Nanostructured gadolinium-doped ceria microsphere synthesis from ion exchange resin: Multi-scale in-situ studies of solid solution formation. Journal of Solid State Chemistry, 2014, 218, 155-163.	2.9	20
130	Structure of the water-splitting photocatalyst oxysulfide Î±-LaOInS₂ and ab initio prediction of new polymorphs. Chemical Communications, 2020, 56, 1645-1648.	4.1	20
131	A neutron diffraction study of the oxygen diffusion in molybdenum doped Ba2In2O5. Solid State Ionics, 2008, 179, 1986-1995.	2.7	19
132	Structure, dimensionality and magnetism of new cobalt oxyhalides. Solid State Sciences, 2008, 10, 471-475.	3.2	19
133	A sharp change in the mineralogy of annealed protoplanetary dust at the glass transition temperature. Astronomy and Astrophysics, 2011, 529, A111.	5.1	19
134	High-performance flexible hybrid supercapacitor based on NiAl layered double hydroxide as a positive electrode and nitrogen-doped reduced graphene oxide as a negative electrode. Electrochimica Acta, 2020, 354, 136664.	5.2	19
135	Synthesis and structure of Ba6Co6ClO16, a new cobalt oxychloride with a layered perovskite-related structure. Journal of Solid State Chemistry, 2005, 178, 3066-3073.	2.9	18
136	One-pot synthesis of an ionic half-sandwich complex of neodymium. Application to isoprene polymerisation catalysis. Comptes Rendus Chimie, 2007, 10, 1195-1199.	0.5	18
137	2-Aminopyridinium maleate: A structural study. Journal of Molecular Structure, 2008, 891, 103-109.	3.6	18
138	Facile Synthesis of Lanthanidocenes by the â€œBorohydride/Alkyl Routeâ€•and Their Application in Isoprene Polymerization. European Journal of Inorganic Chemistry, 2010, 2010, 2867-2876.	2.0	18
139	On the Use of Dynamical Diffraction Theory To Refine Crystal Structure from Electron Diffraction Data: Application to KLa₅O₅(VO₄)₂, a Material with Promising Luminescent Properties. Inorganic Chemistry, 2016, 55, 2252-2260.	4.0	18
140	Bi1-xCaxMnO3(x= 0.4 and 0.45): X-ray Single-Crystal and Electron Microscopy Study. Chemistry of Materials, 2006, 18, 3225-3236.	6.7	17
141	Structure of Ba2In2â^'xVxO5+x phases: Complementarity of diffraction, Raman and absorption techniques. Solid State Ionics, 2008, 179, 771-775.	2.7	17
142	Effective piezoelectric coefficient measurement of BaTiO3 thin films using the X-ray diffraction technique under electric field available in a standard laboratory. Applied Surface Science, 2015, 351, 480-486.	6.1	17
143	Getting a better insight into the chemistry of decomposition of complex flame retarded formulation: New insights using solid state NMR. Polymer Degradation and Stability, 2018, 153, 145-154.	5.8	17
144	Pure and Zr-doped YMnO_{3+Î´}as a YSZ-compatible SOFC cathode: a combined computational and experimental approach. Journal of Materials Chemistry A, 2019, 7, 18589-18602.	10.3	17

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145	The Transcription Factor EGR1 Localizes to the Nucleolus and Is Linked to Suppression of Ribosomal Precursor Synthesis. PLoS ONE, 2014, 9, e96037.	2.5	16
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