Karena W Chapman

List of Publications by Year
in descending order

131 papers	14,124 citations	18482 62 h-index	19749 117 g-index
136 all docs	136 docs citations	136 times ranked	15410 citing authors

#	Article	IF	Citations
1	Origin of additional capacities in metal oxide lithium-ion battery electrodes. Nature Materials, 2013, 12, 1130-1136.	27.5	635
2	Capture of Volatile Iodine, a Gaseous Fission Product, by Zeolitic Imidazolate Framework-8. Journal of the American Chemical Society, 2011, 133, 12398-12401.	13.7	579
3	A New Class of Lithium and Sodium Rechargeable Batteries Based on Selenium and Seleniumâ€“Sulfur as a Positive Electrode. Journal of the American Chemical Society, 2012, 134, 4505-4508.	13.7	534
4	Radioactive Iodine Capture in Silver-Containing Mordenites through Nanoscale Silver Iodide Formation. Journal of the American Chemical Society, 2010, 132, 8897-8899.	13.7	517
5	Capturing metastable structures during high-rate cycling of LiFePO ₄ nanoparticle electrodes. Science, 2014, 344, 1252817.	12.6	493
6	Dynamic Interplay between Spin-Crossover and Hostâˆ'Guest Function in a Nanoporous Metalâˆ'Organic Framework Material. Journal of the American Chemical Society, 2009, 131, 10998-11009.	13.7	416
7	Pronounced Negative Thermal Expansion from a Simple Structure: Cubic ScF₃. Journal of the American Chemical Society, 2010, 132, 15496-15498.	13.7	389
8	Pressure-Induced Amorphization and Porosity Modification in a Metalâˆ'Organic Framework. Journal of the American Chemical Society, 2009, 131, 17546-17547.	13.7	376
9	Reversible magnesium and aluminium ions insertion in cation-deficient anatase TiO2. Nature Materials, 2017, 16, 1142-1148.	27.5	366
10	Intergranular Cracking as a Major Cause of Long-Term Capacity Fading of Layered Cathodes. Nano Letters, 2017, 17, 3452-3457.	9.1	361
11	High Efficiency Adsorption and Removal of Selenate and Selenite from Water Using Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 7488-7494.	13.7	330
12	Liquid metalâ€“organic frameworks. Nature Materials, 2017, 16, 1149-1154.	27.5	326
13	Competitive I₂ Sorption by Cu-BTC from Humid Gas Streams. Chemistry of Materials, 2013, 25, 2591-2596.	6.7	294
14	A versatile sample-environment cell for non-ambient X-ray scattering experiments. Journal of Applied Crystallography, 2008, 41, 822-824.	4.5	258
15	Negative Thermal Expansion in the Metalâ€“Organic Framework Material Cu₃(1,3,5â€benzenetricarboxylate)₂. Angewandte Chemie - International Edition, 2008, 47, 8929-8932.	13.8	251
16	Trapping Guests within a Nanoporous Metalâ€“Organic Framework through Pressure-Induced Amorphization. Journal of the American Chemical Society, 2011, 133, 18583-18585.	13.7	247
17	Compositional Dependence of Negative Thermal Expansion in the Prussian Blue Analogues MIIPtIV(CN)6 (M = Mn, Fe, Co, Ni, Cu, Zn, Cd). Journal of the American Chemical Society, 2006, 128, 7009-7014.	13.7	228
18	Single-Crystal to Single-Crystal Structural Transformation and Photomagnetic Properties of a Porous Iron(II) Spin-Crossover Framework. Journal of the American Chemical Society, 2008, 130, 2869-2876.	13.7	228

#	Article	IF	Citations
19	Guest-Dependent Negative Thermal Expansion in Nanoporous Prussian Blue Analogues MIIPtIV(CN)6Â·x{H2O} (0 â‰ x â‰ 2; M = Zn, Cd). Journal of the American Chemical Society, 2005, 127, 17980-17981.	13.7	215
20	Direct Observation of a Transverse Vibrational Mechanism for Negative Thermal Expansion in Zn(CN)2:â€‰ An Atomic Pair Distribution Function Analysis. Journal of the American Chemical Society, 2005, 127, 15630-15636.	13.7	211
21	Guest Tunable Structure and Spin Crossover Properties in a Nanoporous Coordination Framework Material. Journal of the American Chemical Society, 2009, 131, 12106-12108.	13.7	201
22	Applications of an amorphous silicon-based area detector for high-resolution, high-sensitivity and fast time-resolved pair distribution function measurements. Journal of Applied Crystallography, 2007, 40, 463-470.	4.5	197
23	The Interplay of Al and Mg Speciation in Advanced Mg Battery Electrolyte Solutions. Journal of the American Chemical Society, 2016, 138, 328-337.	13.7	186
24	The AMPIX electrochemical cell: a versatile apparatus for<i>in situ</i>X-ray scattering and spectroscopic measurements. Journal of Applied Crystallography, 2012, 45, 1261-1269.	4.5	179
25	Tracking Sodium-Antimonide Phase Transformations in Sodium-Ion Anodes: Insights from Operando Pair Distribution Function Analysis and Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2016, 138, 2352-2365.	13.7	175
26	Elucidating the Mechanism of a Two-Step Spin Transition in a Nanoporous Metalâˆ’Organic Framework. Journal of the American Chemical Society, 2008, 130, 17552-17562.	13.7	172
27	Sonication-induced Ostwald ripening of ZIF-8 nanoparticles and formation of ZIF-8/polymer composite membranes. Microporous and Mesoporous Materials, 2012, 158, 292-299.	4.4	171
28	Guest-Dependent High Pressure Phenomena in a Nanoporous Metalâˆ’Organic Framework Material. Journal of the American Chemical Society, 2008, 130, 10524-10526.	13.7	162
29	Reversible hydrogen gas uptake in nanoporous Prussian Blue analogues. Chemical Communications, 2005, , 3322.	4.1	155
30	Hysteretic Threeâ€Step Spin Crossover in a Thermoâ€•and Photochromic 3D Pillared Hofmannâ€type Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2012, 51, 10154-10158.	13.8	151
31	Silver-mordenite for radiologic gas capture from complex streams: Dual catalytic CH3I decomposition and I confinement. Microporous and Mesoporous Materials, 2014, 200, 297-303.	4.4	150
32	Adsorption of a Catalytically Accessible Polyoxometalate in a Mesoporous Channel-type Metalâ€“Organic Framework. Chemistry of Materials, 2017, 29, 5174-5181.	6.7	143
33	Reaction Heterogeneity in LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ Induced by Surface Layer. Chemistry of Materials, 2017, 29, 7345-7352.	6.7	142
34	Elucidating the Domain Structure of the Cobalt Oxide Water Splitting Catalyst by X-ray Pair Distribution Function Analysis. Journal of the American Chemical Society, 2012, 134, 11096-11099.	13.7	139
35	Unraveling the Dynamic Nature of a CuO/CeO₂ Catalyst for CO Oxidation in <i>Operando</i>: A Combined Study of XANES (Fluorescence) and DRIFTS. ACS Catalysis, 2014, 4, 1650-1661.	11.2	128
36	Comprehensive Insights into the Structural and Chemical Changes in Mixed-Anion FeOF Electrodes by Using Operando PDF and NMR Spectroscopy. Journal of the American Chemical Society, 2013, 135, 4070-4078.	13.7	124

#	Article	IF	Citations
37	Solvation structure and energetics of electrolytes for multivalent energy storage. Physical Chemistry Chemical Physics, 2014, 16, 21941-21945.	2.8	124
38	Watching Nanoparticles Grow:â€‰ The Mechanism and Kinetics for the Formation of TiO₂-Supported Platinum Nanoparticles. Journal of the American Chemical Society, 2007, 129, 13822-13824.	13.7	122
39	Multifunctional, Tunable Metalâ€“Organic Framework Materials Platform for Bioimaging Applications. ACS Applied Materials & Interfaces, 2017, 9, 22268-22277.	8.0	122
40	Investigating Sodium Storage Mechanisms in Tin Anodes: A Combined Pair Distribution Function Analysis, Density Functional Theory, and Solid-State NMR Approach. Journal of the American Chemical Society, 2017, 139, 7273-7286.	13.7	121
41	Targeted Single-Site MOF Node Modification: Trivalent Metal Loading via Atomic Layer Deposition. Chemistry of Materials, 2015, 27, 4772-4778.	6.7	116
42	Structural Transitions of the Metal-Oxide Nodes within Metalâ€“Organic Frameworks: On the Local Structures of NU-1000 and UiO-66. Journal of the American Chemical Society, 2016, 138, 4178-4185.	13.7	108
43	Transport, Phase Reactions, and Hysteresis of Iron Fluoride and Oxyfluoride Conversion Electrode Materials for Lithium Batteries. ACS Applied Materials & Interfaces, 2014, 6, 10858-10869.	8.0	107
44	Zero Thermal Expansion in a Flexible, Stable Framework: Tetramethylammonium Copper(I) Zinc(II) Cyanide. Journal of the American Chemical Society, 2010, 132, 10-11.	13.7	104
45	Structural Evolution of Reversible Mg Insertion into a Bilayer Structure of V₂O₅Â·<i>n</i>H₂O Xerogel Material. Chemistry of Materials, 2016, 28, 2962-2969.	6.7	97
46	Three-Dimensional Structure of the Siskin Green River Oil Shale Kerogen Model: A Comparison between Calculated and Observed Properties. Energy & Fuels, 2013, 27, 702-710.	5.1	94
47	Pressure Enhancement of Negative Thermal Expansion Behavior and Induced Framework Softening in Zinc Cyanide. Journal of the American Chemical Society, 2007, 129, 10090-10091.	13.7	89
48	Selective Recovery of Dynamic Guest Structure in a Nanoporous Prussian Blue through in Situ X-ray Diffraction:Â A Differential Pair Distribution Function Analysis. Journal of the American Chemical Society, 2005, 127, 11232-11233.	13.7	88
49	Large Negative Thermal Expansion and Anomalous Behavior on Compression in Cubic ReO₃-Type A^{II}B^{IV}F₆: CaZrF₆ and CaHfF₆. Chemistry of Materials, 2015, 27, 3912-3918.	6.7	86
50	Regioselective Atomic Layer Deposition in Metalâ€“Organic Frameworks Directed by Dispersion Interactions. Journal of the American Chemical Society, 2016, 138, 13513-13516.	13.7	78
51	High Substitution Rate in TiO₂ Anatase Nanoparticles with Cationic Vacancies for Fast Lithium Storage. Chemistry of Materials, 2015, 27, 5014-5019.	6.7	77
52	Exploiting High Pressures to Generate Porosity, Polymorphism, And Lattice Expansion in the Nonporous Molecular Framework Zn(CN)₂. Journal of the American Chemical Society, 2013, 135, 7621-7628.	13.7	74
53	Best Practices for Operando Battery Experiments: Influences of X-ray Experiment Design on Observed Electrochemical Reactivity. Journal of Physical Chemistry Letters, 2015, 6, 2081-2085.	4.6	74
54	Bridging Zirconia Nodes within a Metalâ€“Organic Framework via Catalytic Ni-Hydroxo Clusters to Form Heterobimetallic Nanowires. Journal of the American Chemical Society, 2017, 139, 10410-10418.	13.7	74

#	Article	IF	Citations
55	Dehydration of the nanoporous coordination framework Eriii[Coiii(CN)6]Â·4(H2O): single crystal to single crystal transformation and negative thermal expansion in Eriii[Coiii(CN)6]. Chemical Communications, 2006, , 1857-1859.	4.1	73
56	Chasing Changing Nanoparticles with Time-Resolved Pair Distribution Function Methods. Journal of the American Chemical Society, 2012, 134, 5036-5039.	13.7	73
57	Iodine Gas Adsorption in Nanoporous Materials: A Combined Experimentâ€"Modeling Study. Industrial & Engineering Chemistry Research, 2017, 56, 2331-2338.	3.7	72
58	Intrinsic Kinetic Limitations in Substituted Lithium-Layered Transition-Metal Oxide Electrodes. Journal of the American Chemical Society, 2020, 142, 7001-7011.	13.7	69
59	Negative thermal expansion and compressibility of Sc1â€"<i>x</i>Y<i>x</i>F3â€ˆ(xâ‰0.25). Journal of Applied Physics, 2013, 114, .	2.5	68
60	A Reversible Phase Transition for Sodium Insertion in Anatase TiO₂. Chemistry of Materials, 2017, 29, 1836-1844.	6.7	68
61	Addressing the characterisation challenge to understand catalysis in MOFs: the case of nanoscale Cu supported in NU-1000. Faraday Discussions, 2017, 201, 337-350.	3.2	66
62	Thermodynamics, Kinetics and Structural Evolution of Îµ-LiVOPO4 over Multiple Lithium Intercalation. Chemistry of Materials, 2016, 28, 1794-1805.	6.7	64
63	Direct observation of adsorbed H2-framework interactions in the Prussian Blue analogue MnII3[CoIII(CN)6]2: The relative importance of accessible coordination sites and van der Waals interactions. Chemical Communications, 2006, , 4013.	4.1	63
64	Revisiting the charge compensation mechanisms in LiNi_{0.8}Co_{0.2â^'y}Al_yO₂ systems. Materials Horizons, 2019, 6, 2112-2123.	12.2	62
65	Application of high-energy X-rays and Pair-Distribution-Function analysis to nano-scale structural studies in catalysis. Catalysis Today, 2009, 145, 213-219.	4.4	61
66	Spin-Crossover Studies on a Series of 1D Chain and Dinuclear Iron(II) Triazine-Dipyridylamine Compounds. European Journal of Inorganic Chemistry, 2007, 2007, 1073-1085.	2.0	58
67	Identifying the Structure of the Intermediate, Li_{2/3}CoPO₄, Formed during Electrochemical Cycling of LiCoPO₄. Chemistry of Materials, 2014, 26, 6193-6205.	6.7	54
68	Investigation of Surface Structures by Powder Diffraction: A Differential Pair Distribution Function Study on Arsenate Sorption on Ferrihydrite. Inorganic Chemistry, 2010, 49, 325-330.	4.0	53
69	Determining Quantitative Kinetics and the Structural Mechanism for Particle Growth in Porous Templates. Journal of Physical Chemistry Letters, 2011, 2, 2742-2746.	4.6	52
70	Reversible MOF-Based Sensors for the Electrical Detection of Iodine Gas. ACS Applied Materials & Interfaces, 2019, 11, 27982-27988.	8.0	52
71	Porosity Dependence of Compression and Lattice Rigidity in Metalâ€"Organic Framework Series. Journal of the American Chemical Society, 2019, 141, 4365-4371.	13.7	51
72	Accommodating High Transformation Strains in Battery Electrodes via the Formation of Nanoscale Intermediate Phases: Operando Investigation of Olivine NaFePO₄. Nano Letters, 2017, 17, 1696-1702.	9.1	49

#	Article	IF	Citations
73	Identifying the chemical and structural irreversibility in LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ â€“ a model compound for classical layered intercalation. Journal of Materials Chemistry A, 2018, 6, 4189-4198.	10.3	48
74	Nanocrystals in Molten Salts and Ionic Liquids: Experimental Observation of Ionic Correlations Extending beyond the Debye Length. ACS Nano, 2019, 13, 5760-5770.	14.6	48
75	Applications of principal component analysis to pair distribution function data. Journal of Applied Crystallography, 2015, 48, 1619-1626.	4.5	47
76	Engineering the Transformation Strain in LiMn_{<i>y</i>}Fe_{1â€“<i>y</i>}PO₄ Olivines for Ultrahigh Rate Battery Cathodes. Nano Letters, 2016, 16, 2375-2380.	9.1	45
77	Lithiation Thermodynamics and Kinetics of the TiO₂ (B) Nanoparticles. Journal of the American Chemical Society, 2017, 139, 13330-13341.	13.7	45
78	Quantifying Reaction and Rate Heterogeneity in Battery Electrodes in 3D through Operando X-ray Diffraction Computed Tomography. ACS Applied Materials & Interfaces, 2019, 11, 18386-18394.	8.0	44
79	Adsorptive removal of Sb(V) from water using a mesoporous Zr-based metalâ€“organic framework. Polyhedron, 2018, 151, 338-343.	2.2	43
80	Emerging <i>operando</i> and x-ray pair distribution function methods for energy materials development. MRS Bulletin, 2016, 41, 231-240.	3.5	42
81	Exploiting Pressure To Induce a â€œGuest-Blockedâ€•Spin Transition in a Framework Material. Inorganic Chemistry, 2016, 55, 10490-10498.	4.0	41
82	Elucidating the Structure of Surface Acid Sites on Î³-Al₂O₃. Journal of the American Chemical Society, 2011, 133, 8522-8524.	13.7	39
83	Selective O₂ Sorption at Ambient Temperatures via Node Distortions in Sc-MIL-100. Chemistry of Materials, 2016, 28, 3327-3336.	6.7	39
84	Unraveling the Complex Delithiation Mechanisms of Olivine-Type Cathode Materials, LiFe_{<i>x</i>}Co_{1â€“<i>x</i>}PO₄. Chemistry of Materials, 2016, 28, 3676-3690.	6.7	38
85	Structural and Mechanistic Revelations on an Iron Conversion Reaction from Pair Distribution Function Analysis. Angewandte Chemie - International Edition, 2012, 51, 4852-4855.	13.8	36
86	Pair distribution function-derived mechanism of a single-crystal to disordered to single-crystal transformation in a hemilabile metalâ€“organic framework. Chemical Science, 2012, 3, 2559.	7.4	34
87	Layered Lepidocrocite Type Structure Isolated by Revisiting the Solâ€“Gel Chemistry of Anatase TiO₂: A New Anode Material for Batteries. Chemistry of Materials, 2017, 29, 8313-8324.	6.7	33
88	Optimizing high-pressure pair distribution function measurements in diamond anvil cells. Journal of Applied Crystallography, 2010, 43, 297-307.	4.5	32
89	Mesoscale Effects in Electrochemical Conversion: Coupling of Chemistry to Atomic- and Nanoscale Structure in Iron-Based Electrodes. Journal of the American Chemical Society, 2014, 136, 6211-6214.	13.7	32
90	Low energy phonons in the NTE compounds and. Physica B: Condensed Matter, 2006, 385-386, 60-62.	2.7	31

#	Article	IF	Citations
91	Pair distribution function analysis of pressure treated zeolite Na-A. Chemical Communications, 2009, , 3383.	4.1	31
92	Role of Anion Site Disorder in the Near Zero Thermal Expansion of Tantalum Oxyfluoride. Chemistry of Materials, 2013, 25, 1900-1904.	6.7	31
93	Surface and Structural Investigation of a MnO_{<i>x</i>} Birnessiteâ€Type Water Oxidation Catalyst Formed under Photocatalytic Conditions. Chemistry - A European Journal, 2015, 21, 14218-14228.	3.3	29
94	Nanostructure Transformation as a Signature of Oxygen Redox in Li-Rich 3d and 4d Cathodes. Journal of the American Chemical Society, 2021, 143, 5763-5770.	13.7	29
95	A high-performance solid-state synthesized LiVOPO4 for lithium-ion batteries. Electrochemistry Communications, 2019, 105, 106491.	4.7	26
96	Anomalous Thermal Expansion of Cuprites: A Combined High Resolution Pair Distribution Function and Geometric Analysis. Chemistry of Materials, 2009, 21, 425-431.	6.7	23
97	Insight into the Hydrogenation Properties of Mechanically Alloyed Mg₅₀Co₅₀ from the Local Structure. Journal of Physical Chemistry C, 2011, 115, 20335-20341.	3.1	23
98	Multivalent Electrochemistry of Spinel Mg_{<i>x</i>}Mn_{3â€“<i>x</i>}O₄ Nanocrystals. Chemistry of Materials, 2018, 30, 1496-1504.	6.7	23
99	Orientational order-dependent thermal expansion and compressibility of ZrW2O8 and ZrMo2O8. Physical Chemistry Chemical Physics, 2013, 15, 19665.	2.8	22
100	Defect-Accommodating Intermediates Yield Selective Low-Temperature Synthesis of YMnO₃ Polymorphs. Inorganic Chemistry, 2020, 59, 13639-13650.	4.0	22
101	Mechanistic Insights into Nanoparticle Formation from Bimetallic Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 8976-8980.	13.7	22
102	Structural evolution in a melt-quenched zeolitic imidazolate framework glass during heat-treatment. Chemical Communications, 2019, 55, 2521-2524.	4.1	21
103	The Molecular Path Approaching the Active Site in Catalytic Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 20090-20094.	13.7	21
104	Rational synthesis and electrochemical performance of LiVOPO₄ polymorphs. Journal of Materials Chemistry A, 2019, 7, 8423-8432.	10.3	20
105	Validation of non-negative matrix factorization for rapid assessment of large sets of atomic pair distribution function data. Journal of Applied Crystallography, 2021, 54, 768-775.	4.5	20
106	Experimental considerations to study Li-excess disordered rock salt cathode materials. Journal of Materials Chemistry A, 2021, 9, 1720-1732.	10.3	19
107	A thermal-gradient approach to variable-temperature measurements resolved in space. Journal of Applied Crystallography, 2020, 53, 662-670.	4.5	19
108	Homologous Structural, Chemical, and Biological Behavior of Sc and Lu Complexes of the Picaga Bifunctional Chelator: Toward Development of Matched Theranostic Pairs for Radiopharmaceutical Applications. Bioconjugate Chemistry, 2021, 32, 1232-1241.	3.6	19

#	Article	IF	Citations
109	Local Structural Evolution of Mechanically Alloyed Mg₅₀Co₅₀ Using Atomic Pair Distribution Function Analysis. Journal of Physical Chemistry C, 2011, 115, 7723-7728.	3.1	17
110	Electrochemical activity of Fe-MIL-100 as a positive electrode for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 13764-13770.	10.3	17
111	Oxyanion induced variations in domain structure for amorphous cobalt oxide oxygen evolving catalysts, resolved by X-ray pair distribution function analysis. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 713-721.	1.1	17
112	Mapping spatially inhomogeneous electrochemical reactions in battery electrodes using high energy X-rays. Physical Chemistry Chemical Physics, 2013, 15, 8466.	2.8	15
113	Understanding improved electrochemical properties of NiO-doped NiF2â€“C composite conversion materials by X-ray absorption spectroscopy and pair distribution function analysis. Physical Chemistry Chemical Physics, 2014, 16, 3095.	2.8	15
114	Pressure-induced structural phase transformation in cobalt(II) dicyanamide. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 252-257.	1.1	14
115	Atomic Structure of 2 nm Size Metallic Cobalt Prepared by Electrochemical Conversion: An in Situ Pair Distribution Function Study. Journal of Physical Chemistry C, 2018, 122, 23861-23866.	3.1	14
116	Resolving Single-layer Nanosheets as Short-lived Intermediates in the Solution Synthesis of FeS. , 2021, 3, 698-703.		14
117	In-Situ X-ray Diffraction Studies of Hostâ^'Guest Properties in Nanoporous Zinc-Triazolate-Based Framework Materials. Crystal Growth and Design, 2009, 9, 3609-3614.	3.0	13
118	An ordered metallic glass solid solution phase that grows from the melt like a crystal. Acta Materialia, 2014, 62, 58-68.	7.9	13
119	Correlating structure and chemistry through simultaneous in situ pair distribution function and infrared spectroscopy measurements. CrystEngComm, 2013, 15, 9377.	2.6	10
120	Resolving and Quantifying Nanoscaled Phases in Amorphous FeF3 by Pair Distribution Function and MÃ¶ssbauer Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 14039-14043.	3.1	10
121	Relative Kinetics of Solid-State Reactions: The Role of Architecture in Controlling Reactivity. Journal of the American Chemical Society, 2022, 144, 11975-11979.	13.7	10
122	Variation in the ratio of Mg2Co and MgCo2in amorphous-like mechanically alloyed MgxCo100â€“xusing atomic pair distribution function analysis. Zeitschrift FÃ¼r Kristallographie, 2012, 227, 299-303.	1.1	9
123	Catalytic Adventures in Space and Time Using High Energy X-rays. Catalysis Surveys From Asia, 2014, 18, 134-148.	2.6	9
124	Energetics and Structure of Agâ€“Water Clusters Formed in Mordenite. Journal of Physical Chemistry C, 2020, 124, 4517-4524.	3.1	9
125	Multinuclear NMR Study of Zinc Dicyanide. Zeitschrift Fur Physikalische Chemie, 2012, 226, 1205-1218.	2.8	8
126	Constant real-space fractal dimensionality and structure evolution in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>62</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>38</mml:mn></mml:msub></mml:mrow></mml:math> meta	3.2	8

#	Article	IF	Citations
127	Best practices for <i>operando</i> depth-resolving battery experiments. Journal of Applied Crystallography, 2020, 53, 133-139.	4.5	8
128	Fast time-resolved pair distribution function studies of supported gold nanoparticle formation. Zeitschrift FÃ¼r Kristallographie, 2012, 227, 268-271.	1.1	7
129	A multimodal analytical toolkit to resolve correlated reaction pathways: the case of nanoparticle formation in zeolites. Chemical Science, 2021, 12, 13836-13847.	7.4	5
130	A mixing-flow reactor for time-resolved reaction measurements distributed in space. Journal of Applied Crystallography, 2022, 55, 258-264.	4.5	5
131	Influence of Al location on formation of silver clusters in mordenite. Microporous and Mesoporous Materials, 2021, 327, 111401.	4.4	0