

Martin K Schreyer

List of Publications by Year in descending order

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39
papers

3,191
citations

361296

20
h-index

330025

37
g-index

45
all docs

45
docs citations

45
times ranked

6275
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and crystal chemistry of the hybrid perovskite (CH ₃ NH ₃)PbI ₃ for solid-state sensitised solar cell applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5628.	5.2	2,254
2	High performance of Mg ²⁺ /La mixed oxides supported Ni catalysts for dry reforming of methane: The effect of crystal structure. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13631-13642.	3.8	108
3	Tuning the aspect ratio of NH ₂ -MIL-53(Al) microneedles and nanorods via coordination modulation. <i>CrystEngComm</i> , 2013, 15, 654-657.	1.3	78
4	A layered oxalato-phosphate framework as a cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5721.	5.2	73
5	Synthesis and Characterization of Ag ₂ NiO ₂ Showing an Uncommon Charge Distribution. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 643-646.	7.2	54
6	Simultaneous determination of several crystal structures from powder mixtures: the combination of powder X-ray diffraction, band-target entropy minimization and Rietveld methods. <i>Journal of Applied Crystallography</i> , 2014, 47, 659-667.	1.9	48
7	Correlation of Local Structure and Diffusion Pathways in the Modulated Anisotropic Oxide Ion Conductor CeNbO _{4.25} . <i>Journal of the American Chemical Society</i> , 2016, 138, 1273-1279.	6.6	34
8	Five-Dimensional Incommensurate Structure of the Melilite Electrolyte [CaNd] ₂ [Ga] ₂ [Ga ₂ O ₇] ₂ . <i>Journal of the American Chemical Society</i> , 2011, 133, 15200-15211.	6.6	32
9	Dual-Phase Titanate/Anatase with Nitrogen Doping for Enhanced Degradation of Organic Dye under Visible Light. <i>Chemistry - A European Journal</i> , 2011, 17, 2575-2578.	1.7	31
10	NaSn ₂ : A Novel Binary Zintl Phase with 2D Polyanions of Realgar-Type Units [Sn ₈] ⁴⁻ . <i>Inorganic Chemistry</i> , 2005, 44, 477-479.	1.9	29
11	Investigating the effect of moisture protection on solid-state stability and dissolution of fenofibrate and ketoconazole solid dispersions using PXRD, HSDSC and Raman microscopy. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 1026-1035.	0.9	29
12	Synthesis, Crystal Structure, and Catalytic Properties of MgCo ₆ Ge ₆ . <i>Chemistry - A European Journal</i> , 2006, 12, 1924-1930.	1.7	27
13	Dispersed and high loading Ni catalyst stabilized in porous SiO ₂ matrix for substituted natural gas production. <i>Catalysis Today</i> , 2018, 299, 193-200.	2.2	27
14	The role of metal-support interaction for CO-free hydrogen from low temperature ethanol steam reforming on Rh ⁰ /Fe catalysts. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4199-4207.	1.3	25
15	From molecule to material: Mg ₂ Sn as hydrogenation catalyst. <i>Catalysis Communications</i> , 2006, 7, 618-622.	1.6	24
16	The influence of cobalt doping on photocatalytic nano-titania: Crystal chemistry and amorphicity. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2905-2915.	1.4	24
17	Concurrent Synergism and Inhibition in Bimetallic Catalysis: Catalytic Binuclear Elimination, Solute-Solute Interactions and a Hetero-Bimetallic Hydrogen-Bonded Complex in Rh ⁰ /Mo Hydroformylations. <i>Journal of the American Chemical Society</i> , 2010, 132, 4589-4599.	6.6	24
18	Thermal and in Situ X-ray Diffraction Analysis of a Dimorphic Co-Crystal, 1:1 Caffeine-Glutaric Acid. <i>Crystal Growth and Design</i> , 2016, 16, 578-586.	1.4	24

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19	Nitrogen-sensitized dual phase titanate/titania for visible-light driven phenol degradation. Journal of Solid State Chemistry, 2012, 196, 518-527.	1.4	23
20	Synthesis, structure and properties of Ag ₂ PdO ₂ . Solid State Sciences, 2001, 3, 25-30.	1.5	20
21	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. Chemistry of Materials, 2013, 25, 1109-1120.	3.2	18
22	New insights into the relationship between structure and photocatalytic properties of TiO ₂ catalysts. RSC Advances, 2015, 5, 2421-2428.	1.7	18
23	Phase compatibility and preparation of composite. Superconductor Science and Technology, 1998, 11, 880-886.	1.8	16
24	Novel Combination of Coordination Polyhedra in Mg ₂ Co ₃ Sn _{10+x} - The First Phase in the Mg/Co/Sn System. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 2520-2526.	0.6	15
25	Crystal chemistry and optimization of conductivity in 2A, 2M and 2H alkaline earth lanthanum germanate oxyapatite electrolyte polymorphs. Solid State Ionics, 2010, 181, 1189-1196.	1.3	15
26	The influence of stereochemically active lone-pair electrons on crystal symmetry and twist angles in lead apatite-2 <i>H</i> type structures. Mineralogical Magazine, 2014, 78, 325-345.	0.6	15
27	Pseudomorphic 2A ⁺ 2M ⁺ 2H phase transitions in lanthanum strontium germanate electrolyte apatites. Dalton Transactions, 2009, , 8280.	1.6	14
28	Oxygen-initiated Stereoselective Thermal Isomerisation of a Cyclobutane Derivative in the Solid State. Chemistry - A European Journal, 2014, 20, 15702-15708.	1.7	14
29	Ca ₇ Co ₈ Sn ₂₅ Ca ₃ Co ₄ Sn ₁₃ revised. Solid State Sciences, 2006, 8, 793-797.	1.5	11
30	Crystal Structure and Properties of MgCo ₄ Ge ₆ . European Journal of Inorganic Chemistry, 2006, 2006, 3482-3488.	1.0	10
31	Three approaches to total quantitative phase analysis of organic mixtures using an external standard. Journal of Applied Crystallography, 2011, 44, 17-24.	1.9	10
32	A multi-domain gem-grade Brazilian apatite. American Mineralogist, 2012, 97, 1574-1581.	0.9	9
33	Nonstoichiometry, amorphicity and microstructural evolution during phase transformations of photocatalytic titania powders. Journal of Applied Crystallography, 2009, 42, 917-924.	1.9	8
34	Heteroatomic Zn ^{II} Zeolite Developed for Catalytic Dehydrogenation Reactions: A Combined Experimental and DFT Study. ChemCatChem, 2018, 10, 3078-3085.	1.8	8
35	Determination of the individual specific heat capacities of solids from multi-component powder mixtures and polymorphic mixtures. Journal of Thermal Analysis and Calorimetry, 2012, 108, 361-370.	2.0	6
36	A multicomponent calibration approach to the microabsorption problem involving inorganic mixtures. Journal of Applied Crystallography, 2011, 44, 25-31.	1.9	1

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37	Novel Combination of Coordination Polyhedra in Mg ₂ Co ₃ Sn _{10+x} ? The First Phase in the Mg/Co/Sn System.. ChemInform, 2005, 36, no.	0.1	0
38	NaSn ₂ : A Novel Binary Zintl Phase with 2D Polyanions of Realgar-Type Units [Sn ₈] ⁴⁻ .. ChemInform, 2005, 36, no.	0.1	0
39	Laurentthomasite, Mg ₂ K(Be ₂ AlSi ₁₂ O ₃₀); a new milarite-group-type member from the Ihorombe region, Fianarantsoa Province, Madagascar. European Journal of Mineralogy, 2020, 32, 355-365.	0.4	0