

# Martin K Schreyer

## List of Publications by Year in descending order

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39  
papers

3,191  
citations

361413

20  
h-index

330143

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

6275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laurentthomasite, Mg <sub>2</sub> K(Be <sub>2</sub> Al)Si <sub>12</sub> O <sub>30</sub> ; a new milarite-group-type member from the Ihorombe region, Fianarantsoa Province, Madagascar. <i>European Journal of Mineralogy</i> , 2020, 32, 355-365.	1.3	0
2	Heteroatomic Zn-MWW Zeolite Developed for Catalytic Dehydrogenation Reactions: A Combined Experimental and DFT Study. <i>ChemCatChem</i> , 2018, 10, 3078-3085.	3.7	8
3	Dispersed and high loading Ni catalyst stabilized in porous SiO <sub>2</sub> matrix for substituted natural gas production. <i>Catalysis Today</i> , 2018, 299, 193-200.	4.4	27
4	The role of metal-support interaction for CO-free hydrogen from low temperature ethanol steam reforming on Rh-Fe catalysts. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4199-4207.	2.8	25
5	Correlation of Local Structure and Diffusion Pathways in the Modulated Anisotropic Oxide Ion Conductor CeNbO <sub>4.25</sub> . <i>Journal of the American Chemical Society</i> , 2016, 138, 1273-1279.	13.7	34
6	Thermal and in Situ X-ray Diffraction Analysis of a Dimorphic Co-Crystal, 1:1 Caffeine-Glutamic Acid. <i>Crystal Growth and Design</i> , 2016, 16, 578-586.	3.0	24
7	New insights into the relationship between structure and photocatalytic properties of TiO <sub>2</sub> catalysts. <i>RSC Advances</i> , 2015, 5, 2421-2428.	3.6	18
8	Oxygen-Initiated Stereoselective Thermal Isomerisation of a Cyclobutane Derivative in the Solid State. <i>Chemistry - A European Journal</i> , 2014, 20, 15702-15708.	3.3	14
9	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.	4.5	48
10	The influence of stereochemically active lone-pair electrons on crystal symmetry and twist angles in lead apatite-2H type structures. <i>Mineralogical Magazine</i> , 2014, 78, 325-345.	1.4	15
11	High performance of Mg-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.	7.1	108
12	Tuning the aspect ratio of NH <sub>2</sub> -MIL-53(Al) microneedles and nanorods via coordination modulation. <i>CrystEngComm</i> , 2013, 15, 654-657.	2.6	78
13	A layered oxalato-phosphate framework as a cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5721.	10.3	73
14	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Chemistry of Materials</i> , 2013, 25, 1109-1120.	6.7	18
15	Synthesis and crystal chemistry of the hybrid perovskite (CH <sub>3</sub> NH <sub>3</sub> )PbI <sub>3</sub> for solid-state sensitised solar cell applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5628.	10.3	2,254
16	A multi-domain gem-grade Brazilian apatite. <i>American Mineralogist</i> , 2012, 97, 1574-1581.	1.9	9
17	Nitrogen-sensitized dual phase titanate/titania for visible-light driven phenol degradation. <i>Journal of Solid State Chemistry</i> , 2012, 196, 518-527.	2.9	23
18	Determination of the individual specific heat capacities of solids from multi-component powder mixtures and polymorphic mixtures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 361-370.	3.6	6

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19	Five-Dimensional Incommensurate Structure of the Melilite Electrolyte [CaNd] <sub>2</sub> [Ga] <sub>2</sub> [Ga <sub>2</sub> O <sub>7</sub> ] <sub>2</sub> . Journal of the American Chemical Society, 2011, 133, 15200-15211.	13.7	32
20	Investigating the effect of moisture protection on solid-state stability and dissolution of fenofibrate and ketoconazole solid dispersions using PXRD, HSDSC and Raman microscopy. Drug Development and Industrial Pharmacy, 2011, 37, 1026-1035.	2.0	29
21	Three approaches to total quantitative phase analysis of organic mixtures using an external standard. Journal of Applied Crystallography, 2011, 44, 17-24.	4.5	10
22	A multicomponent calibration approach to the microabsorption problem involving inorganic mixtures. Journal of Applied Crystallography, 2011, 44, 25-31.	4.5	1
23	Dual-Phase Titanate/Anatase with Nitrogen Doping for Enhanced Degradation of Organic Dye under Visible Light. Chemistry - A European Journal, 2011, 17, 2575-2578.	3.3	31
24	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.	2.7	15
25	Concurrent Synergism and Inhibition in Bimetallic Catalysis: Catalytic Binuclear Elimination, Solute-Solute Interactions and a Hetero-Bimetallic Hydrogen-Bonded Complex in Rh-Mo Hydroformylations. Journal of the American Chemical Society, 2010, 132, 4589-4599.	13.7	24
26	Nonstoichiometry, amorphicity and microstructural evolution during phase transformations of photocatalytic titania powders. Journal of Applied Crystallography, 2009, 42, 917-924.	4.5	8
27	Pseudomorphic 2A-2M-2H phase transitions in lanthanum strontium germanate electrolyte apatites. Dalton Transactions, 2009, , 8280.	3.3	14
28	The influence of cobalt doping on photocatalytic nano-titania: Crystal chemistry and amorphicity. Journal of Solid State Chemistry, 2007, 180, 2905-2915.	2.9	24
29	From molecule to material: Mg <sub>2</sub> Sn as hydrogenation catalyst. Catalysis Communications, 2006, 7, 618-622.	3.3	24
30	Ca <sub>7</sub> Co <sub>8</sub> Sn <sub>25</sub> Ca <sub>3</sub> Co <sub>4</sub> Sn <sub>13</sub> revised. Solid State Sciences, 2006, 8, 793-797.	3.2	11
31	Synthesis, Crystal Structure, and Catalytic Properties of MgCo <sub>6</sub> Ge <sub>6</sub> . Chemistry - A European Journal, 2006, 12, 1924-1930.	3.3	27
32	Crystal Structure and Properties of MgCo <sub>4</sub> Ge <sub>6</sub> . European Journal of Inorganic Chemistry, 2006, 2006, 3482-3488.	2.0	10
33	Novel Combination of Coordination Polyhedra in Mg <sub>2</sub> Co <sub>3</sub> Sn <sub>10+x</sub> ? The First Phase in the Mg/Co/Sn System.. ChemInform, 2005, 36, no.	0.0	0
34	NaSn <sub>2</sub> : A Novel Binary Zintl Phase with 2D Polyanions of Realgar-Type Units [Sn <sub>8</sub> ] <sub>4</sub> .. ChemInform, 2005, 36, no.	0.0	0
35	NaSn <sub>2</sub> : A Novel Binary Zintl Phase with 2D Polyanions of Realgar-Type Units [Sn <sub>8</sub> ] <sub>4</sub> -. Inorganic Chemistry, 2005, 44, 477-479.	4.0	29
36	Novel Combination of Coordination Polyhedra in Mg <sub>2</sub> Co <sub>3</sub> Sn <sub>10+x</sub> - The First Phase in the Mg/Co/Sn System. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 2520-2526.	1.2	15

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37	Synthesis and Characterization of Ag <sub>2</sub> NiO <sub>2</sub> Showing an Uncommon Charge Distribution. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 643-646.	13.8	54
38	Synthesis, structure and properties of Ag <sub>2</sub> PdO <sub>2</sub> . <i>Solid State Sciences</i> , 2001, 3, 25-30.	3.2	20
39	Phase compatibility and preparation of composite. <i>Superconductor Science and Technology</i> , 1998, 11, 880-886.	3.5	16