

# Martin K Schreyer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

2,765  
citations

19  
h-index

45  
g-index

45  
ext. papers

3,009  
ext. citations

5.6  
avg, IF

4.71  
L-index

#	Paper	IF	Citations
37	Heteroatomic Zn-MWW Zeolite Developed for Catalytic Dehydrogenation Reactions: A Combined Experimental and DFT Study. <i>ChemCatChem</i> , <b>2018</b> , 10, 3078-3085	5.2	7
36	Dispersed and high loading Ni catalyst stabilized in porous SiO <sub>2</sub> matrix for substituted natural gas production. <i>Catalysis Today</i> , <b>2018</b> , 299, 193-200	5.3	23
35	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> , <b>2017</b> , 19, 4199-4207	3.6	21
34	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> , <b>2016</b> , 138, 1273-9	16.4	25
33	Thermal and in Situ X-ray Diffraction Analysis of a Dimorphic Co-Crystal, 1:1 Caffeine:Glutaric Acid. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 578-586	3.5	21
32	New insights into the relationship between structure and photocatalytic properties of TiO <sub>2</sub> catalysts. <i>RSC Advances</i> , <b>2015</b> , 5, 2421-2428	3.7	17
31	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> , <b>2014</b> , 47, 659-667	3.8	28
30	The influence of stereochemically active lone-pair electrons on crystal symmetry and twist angles in lead apatite-2H type structures. <i>Mineralogical Magazine</i> , <b>2014</b> , 78, 325-345	1.7	11
29	Oxygen-initiated stereoselective thermal isomerisation of a cyclobutane derivative in the solid state. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 15702-8	4.8	10
28	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> , <b>2013</b> , 38, 13631-13642	6.7	87
27	Tuning the aspect ratio of NH <sub>2</sub> -MIL-53(Al) microneedles and nanorods via coordination modulation. <i>CrystEngComm</i> , <b>2013</b> , 15, 654-657	3.3	62
26	A layered oxalato-phosphate framework as a cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5721	13	65
25	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1109-1120	9.6	18
24	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> , <b>2013</b> , 1, 5628	13	1972
23	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> , <b>2012</b> , 108, 361-370	4.1	5
22	Nitrogen-sensitized dual phase titanate/titania for visible-light driven phenol degradation. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 196, 518-527	3.3	21
21	A multi-domain gem-grade Brazilian apatite. <i>American Mineralogist</i> , <b>2012</b> , 97, 1574-1581	2.9	8

20	Five-dimensional incommensurate structure of the melilite electrolyte $[\text{CaNd}]_2[\text{Ga}]_2[\text{Ga}_2\text{O}_7]_2$ . <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15200-11	16.4	28
19	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> , <b>2011</b> , 37, 1026-35	3.6	25
18	Three approaches to total quantitative phase analysis of organic mixtures using an external standard. <i>Journal of Applied Crystallography</i> , <b>2011</b> , 44, 17-24	3.8	9
17	A multicomponent calibration approach to the microabsorption problem involving inorganic mixtures. <i>Journal of Applied Crystallography</i> , <b>2011</b> , 44, 25-31	3.8	1
16	Dual-phase titanate/anatase with nitrogen doping for enhanced degradation of organic dye under visible light. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2575-8	4.8	29
15	Concurrent synergism and inhibition in bimetallic catalysis: catalytic binuclear elimination, solute-solute interactions and a hetero-bimetallic hydrogen-bonded complex in rh-mo hydroformylations. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4589-99	16.4	23
14	Crystal chemistry and optimization of conductivity in 2A, 2M and 2H alkaline earth lanthanum germanate oxyapatite electrolyte polymorphs. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1189-1196	3.3	15
13	Nonstoichiometry, amorphicity and microstructural evolution during phase transformations of photocatalytic titania powders. <i>Journal of Applied Crystallography</i> , <b>2009</b> , 42, 917-924	3.8	8
12	Pseudomorphic 2A--> 2M--> 2H phase transitions in lanthanum strontium germanate electrolyte apatites. <i>Dalton Transactions</i> , <b>2009</b> , 8280-91	4.3	14
11	The influence of cobalt doping on photocatalytic nano-titania: Crystal chemistry and amorphicity. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 2905-2915	3.3	24
10	$\text{Ca}_7\text{Co}_8\text{Sn}_{25}\text{Ca}_3\text{Co}_4\text{Sn}_{13}$ revised. <i>Solid State Sciences</i> , <b>2006</b> , 8, 793-797	3.4	7
9	Synthesis, crystal structure, and catalytic properties of $\text{MgCo}_6\text{Ge}_6$ . <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 1924-30	4.8	21
8	Crystal Structure and Properties of $\text{MgCo}_4\text{Ge}_6$ . <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 3482-3488	2.3	10
7	From molecule to material: $\text{Mg}_2\text{Sn}$ as hydrogenation catalyst. <i>Catalysis Communications</i> , <b>2006</b> , 7, 618-622	3.2	20
6	$\text{NaSn}_2$ : a novel binary Zintl phase with 2D polyanions of Realgar-type units $[\text{Sn}_8]^{4-}$ . <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 477-9	5.1	26
5	Novel Combination of Coordination Polyhedra in $\text{Mg}_2\text{Co}_3\text{Sn}_{10+x}$ - The First Phase in the Mg/Co/Sn System. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 2520-2526	1.3	14
4	Synthesis and Characterization of $\text{Ag}_2\text{NiO}_2$ Showing an Uncommon Charge Distribution. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 665-668	3.6	12
3	Synthesis and Characterization of $\text{Ag}_2\text{NiO}_2$ Showing an Uncommon Charge Distribution. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 643-646	16.4	47

- 2 Synthesis, structure and properties of Ag<sub>2</sub>PdO<sub>2</sub>. *Solid State Sciences*, **2001**, 3, 25-30 3.4 18
- 1 Phase compatibility and preparation of composite. *Superconductor Science and Technology*, **1998**, 11, 880-886 3.1 13