

# Gregory R Waetzig

## List of Publications by Year in descending order

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13  
papers

416  
citations

1040056

9  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbides of group IVA, VA and VIA transition metals as alternative HER and ORR catalysts and support materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10085-10091.	10.3	153
2	Traversing Energy Landscapes Away from Equilibrium: Strategies for Accessing and Utilizing Metastable Phase Space. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25709-25728.	3.1	75
3	Real-time atomistic observation of structural phase transformations in individual hafnia nanorods. <i>Nature Communications</i> , 2017, 8, 15316.	12.8	59
4	Stabilizing metastable tetragonal HfO <sub>2</sub> using a non-hydrolytic solution-phase route: ligand exchange as a means of controlling particle size. <i>Chemical Science</i> , 2016, 7, 4930-4939.	7.4	29
5	A full palette: Crystal chemistry, polymorphism, synthetic strategies, and functional applications of lanthanide oxyhalides. <i>Journal of Solid State Chemistry</i> , 2019, 270, 569-592.	2.9	23
6	Incorporation of Hydroxyethylcellulose-Functionalized Halloysite as a Means of Decreasing the Thermal Conductivity of Oilwell Cement. <i>Scientific Reports</i> , 2018, 8, 16149.	3.3	17
7	X-ray excited photoluminescence near the giant resonance in solid-solution Gd <sub>1-x</sub> Tb <sub>x</sub> OCl nanocrystals and their retention upon solvothermal topotactic transformation to Gd <sub>1-x</sub> Tb <sub>x</sub> F <sub>3</sub> . <i>Nanoscale</i> , 2016, 8, 979-986.	5.6	15
8	Ligand-Mediated Control of Dopant Oxidation State and X-ray Excited Optical Luminescence in Eu-Doped LaOCl. <i>Inorganic Chemistry</i> , 2018, 57, 5842-5849.	4.0	15
9	In a Different Light: Deciphering Optical and X-ray Sensitization Mechanisms in an Expanded Palette of LaOCl Phosphors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16412-16423.	3.1	11
10	Building on Sub-Arctic Soil: Geopolymerization of Muskeg to a Densified Load-Bearing Composite. <i>Scientific Reports</i> , 2017, 7, 14711.	3.3	9
11	Salt flux synthesis of single and bimetallic carbide nanowires. <i>Materials Research Express</i> , 2016, 3, 074002.	1.6	5
12	Epitaxial stabilization versus interdiffusion: synthetic routes to metastable cubic HfO <sub>2</sub> and HfV <sub>2</sub> O <sub>7</sub> from the core-shell arrangement of precursors. <i>Nanoscale</i> , 2019, 11, 21354-21363.	5.6	5
13	Direct Observation of Hafnia Structural Phase Transformations. <i>Microscopy and Microanalysis</i> , 2017, 23, 2092-2093.	0.4	0