

Kristin A Denault

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Red luminescence and ferromagnetism in europium oxynitridosilicates with a K_2SO_4 structure. <i>Chemical Communications</i> , 2015, 51, 2166-2169.	2.2	20
2	Average and Local Structure, Debye Temperature, and Structural Rigidity in Some Oxide Compounds Related to Phosphor Hosts. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7264-7272.	4.0	159
3	Emission colour tuning through coupled N/La introduction in $\text{Sr}_2\text{SiO}_4\text{:Eu}^{2+}$. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11471-11477.	2.7	10
4	Data-driven discovery of energy materials: efficient $\text{BaM}_2\text{Si}_3\text{O}_{10}\text{:Eu}^{2+}$ (M = Sc, Lu) phosphors for application in solid state white lighting. <i>Faraday Discussions</i> , 2014, 176, 333-347.	1.6	20
5	Accessing $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Al}_2\text{Si}_2\text{O}_8\text{:Eu}$ Phosphors for Solid State White Lighting via Microwave-Assisted Preparation: Tuning Emission Color by Coordination Environment. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1182-1189.	0.6	14
6	Consequences of Optimal Bond Valence on Structural Rigidity and Improved Luminescence Properties in $\text{Sr}_x\text{Ba}_{2-x}\text{SiO}_4\text{:Eu}^{2+}$ Orthosilicate Phosphors. <i>Chemistry of Materials</i> , 2014, 26, 2275-2282.	3.2	323
7	Phosphors for Solid-State White Lighting. <i>Annual Review of Materials Research</i> , 2013, 43, 481-501.	4.3	689
8	An Efficient, Thermally Stable Cerium-Based Silicate Phosphor for Solid State White Lighting. <i>Inorganic Chemistry</i> , 2013, 52, 8010-8016.	1.9	84
9	Tuning luminescent properties through solid-solution in $(\text{Ba}_{1-x}\text{Sr}_x)_9\text{Sc}_2\text{Si}_6\text{O}_{24}\text{:Ce}^{3+},\text{Li}^+$. <i>Solid State Sciences</i> , 2013, 18, 149-154.	1.5	29
10	Rapid microwave preparation of cerium-substituted sodium yttrium silicate phosphors for solid state white lighting. <i>Solid State Sciences</i> , 2013, 26, 115-120.	1.5	14
11	Structure-composition relationships and optical properties in cerium-substituted $(\text{Sr},\text{Ba})_3(\text{Y},\text{La})(\text{BO}_3)_3$ borate phosphors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7339.	2.7	45
12	Improving color rendition in solid state white lighting through the use of quantum dots. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1461.	2.7	39
13	Efficient and stable laser-driven white lighting. <i>AIP Advances</i> , 2013, 3, .	0.6	151
14	Rapid Microwave Preparation of Highly Efficient Ce^{3+} -Substituted Garnet Phosphors for Solid State White Lighting. <i>Chemistry of Materials</i> , 2012, 24, 1198-1204.	3.2	172
15	A green-yellow emitting oxyfluoride solid solution phosphor $\text{Sr}_2\text{Ba}(\text{AlO}_4\text{F})_{1-x}(\text{SiO}_5)_x\text{:Ce}^{3+}$ for thermally stable, high color rendition solid state white lighting. <i>Journal of Materials Chemistry</i> , 2012, 22, 18204.	6.7	105
16	Robust thermal performance of $\text{Sr}_2\text{Si}_5\text{N}_8\text{:Eu}^{2+}$: An efficient red emitting phosphor for light emitting diode based white lighting. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	202