

Kristin A Denault

List of Publications by Year in descending order

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