

S K Mahesh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of Cation Substitution and Activator Site Exchange on the Photoluminescence Properties of Eu ³⁺ -Doped Quaternary Pyrochlore Oxides. Inorganic Chemistry, 2013, 52, 13304-13313.	4.0	41
2	Role of Bond Strength on the Lattice Thermal Expansion and Oxide Ion Conductivity in Quaternary Pyrochlore Solid Solutions. Inorganic Chemistry, 2012, 51, 2409-2419.	4.0	35
3	Effect of host structure on the photoluminescence properties of Ln ₃ TaO ₇ :Eu ³⁺ red phosphors. Optical Materials, 2016, 52, 134-143.	3.6	35
4	Luminescence properties of Eu ³⁺ , Bi ³⁺ coactivated CaLaNbWO ₈ red phosphors under near UV and blue excitations. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2170-2175.	1.8	24
5	New orange-red emitting phosphor La ₃ NbO ₇ :Eu ³⁺ under blue excitation. Materials Letters, 2012, 81, 142-144.	2.6	24
6	Electrical transport properties of manganese containing pyrochlore type semiconducting oxides using impedance analyses. Materials Research Bulletin, 2012, 47, 4365-4375.	5.2	20
7	Intense red line emitting phosphor LuNbO ₄ :Eu ³⁺ for white light emitting diode applications. Materials Letters, 2014, 120, 115-117.	2.6	18
8	Photoluminescence characteristics of new stannate pyrochlore based red phosphors: CaLaSnNbO ₇ :Eu ³⁺ . Journal of Materials Science: Materials in Electronics, 2012, 23, 1605-1609.	2.2	16
9	Studies on the photoluminescent properties of a single phase white light emitting phosphor CaLa _{1-x} NbMoO ₈ : x Dy ³⁺ for pc-white LED applications. Materials Letters, 2016, 170, 196-198.	2.6	16
10	Effect of Zr ⁴⁺ and Si ⁴⁺ substitution on the luminescence properties of CaMoO ₄ :Eu ³⁺ red phosphors. Journal of Materials Science: Materials in Electronics, 2014, 25, 2387-2393.	2.2	15
11	Enhanced Eu ³⁺ Red Luminescence in Scheelite Based Oxides, CaLaSbWO ₈ . ECS Journal of Solid State Science and Technology, 2013, 2, R44-R48.	1.8	10
12	Novel red phosphors Gd ₂ GaTaO ₇ :Eu ³⁺ , Bi ³⁺ for white LED applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 5743-5747.	2.2	7