

# Alok Srivastava

## List of Publications by Year in descending order

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13  
papers

338  
citations

1040056

9  
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1125743

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical bonding and crystal field splitting of the Eu <sup>3+</sup> 7F <sub>1</sub> level in the pyrochlores Ln <sub>2</sub> B <sub>2</sub> O <sub>7</sub> (Ln=La <sup>3+</sup> , Tj ETQq1 1.0.784314 rgBT / 0v	3.6	63
2	On the Mn <sup>4+</sup> R-line emission intensity and its tunability in solids. Optical Materials, 2019, 91, 338-343.	3.6	57
3	Comparative crystal field analysis of energy level schemes and nephelauxetic effect for Cr <sup>4+</sup> , Cr <sup>3+</sup> , and Mn <sup>4+</sup> ions in Y <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> pyrochlore. Optical Materials, 2013, 35, 1251-1256.	3.6	43
4	Comparative analysis of crystal field effects and energy level scheme of six-fold coordinated Cr <sup>4+</sup> ion in the pyrochlores, Y <sub>2</sub> B <sub>2</sub> O <sub>7</sub> (B=Ti <sup>4+</sup> , Sn <sup>4+</sup> ). Journal of Luminescence, 2011, 131, 54-58.	3.1	36
5	The nature of Mn <sup>4+</sup> luminescence in the orthorhombic perovskite, GdAlO <sub>3</sub> . Optical Materials, 2017, 63, 207-212.	3.6	32
6	Comparative ab initio study of electronic, optical and chemical bonding properties of pyrochlores, Y <sub>2</sub> B <sub>2</sub> O <sub>7</sub> (B=Ti <sup>4+</sup> , Sn <sup>4+</sup> ). Journal of Luminescence, 2010, 130, 2368-2376.	3.1	27
7	The dependence of 10 Dq crystal field parameter for Mn <sup>4+</sup> (3d <sup>3</sup> configuration) and the magnitude of 7F <sub>1</sub> level splitting for Eu <sup>3+</sup> (4f <sup>6</sup> configuration) on pyrochlore compositions. Optical Materials, 2012, 35, 196-200.	3.6	24
8	An interpretation of the optical properties of Cr <sup>4+</sup> -activated pyrochlores, Y <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> and Y <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> . Journal of Luminescence, 2009, 129, 1000-1002.	3.1	23
9	the Eu <sup>3+</sup> asymmetry ratio $\frac{I_{7F_1}}{I_{7F_2}}$		