

Nagabhushana Kr

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

680
citations

567281

15
h-index

642732

23
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53
all docs

53
docs citations

53
times ranked

577
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Fabrication of spectroscopic characterization techniques using an optical fiber-based spectrometer. Review of Scientific Instruments, 2021, 92, 093104. | 1.3 | 4 |
| 2 | Unraveling the Charge State of Oxygen Vacancies in Monoclinic ZrO_2 and Spectroscopic Properties of $ZrO_2:Sm^{3+}$ Phosphor. Journal of Physical Chemistry C, 2021, 125, 27106-27117. | 3.1 | 15 |
| 3 | Influence of lithium on structure and optical properties of lanthanum doped yttrium oxide thin films. Inorganic Chemistry Communication, 2020, 119, 108098. | 3.9 | 1 |
| 4 | Down and upconversion photoluminescence of $ZrO_2:Er^{3+}$ phosphor irradiated with 120 MeV gold ions. Materials Research Express, 2020, 7, 064006. | 1.6 | 4 |
| 5 | Effect of annealing on luminescence of ZrO_2 irradiated with 100 MeV Si^{7+} ions. Optical Materials, 2020, 107, 109984. | 3.6 | 5 |
| 6 | Incitement of sodium ions on structural and optical properties of dysprosium doped neodymium oxide. Journal of Molecular Liquids, 2020, 314, 113647. | 4.9 | 0 |
| 7 | Thermoluminescence glow curve analysis of gamma irradiated $Sr_2SiO_4:Dy^{3+}$ nanophosphor. Physica B: Condensed Matter, 2020, 585, 412113. | 2.7 | 13 |
| 8 | Impact of Na_2 -EDTA and urea on structure and optical properties of pure neodymium oxide. Vacuum, 2020, 177, 109411. | 3.5 | 1 |
| 9 | Charge carrier trapping processes in un-doped and $BaAl_2O_4:Eu^{3+}$ nanophosphor for thermoluminescent dosimeter applications. Journal Physics D: Applied Physics, 2020, 53, 475305. | 2.8 | 6 |
| 10 | Photoluminescence and thermoluminescence studies of 100 MeV Si^{8+} ion irradiated $Y_2O_3:Dy^{3+}$ nanophosphor. Journal of Luminescence, 2019, 209, 179-187. | 3.1 | 6 |
| 11 | Structure and crystal field analysis using ionoluminescence of $Al_2O_3:Tm^{3+}$ phosphor. Journal of Luminescence, 2019, 214, 116553. | 3.1 | 7 |
| 12 | TL/OSL properties of beta irradiated $Al_2O_3:Tm^{3+}$ phosphor synthesized by microwave combustion method. Materials Research Bulletin, 2018, 104, 236-243. | 5.2 | 15 |
| 13 | Correlation between thermoluminescence glow curve and emission spectra of gamma ray irradiated $LaAlO_3$. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 14 | Comparative studies on thermoluminescence glow curves of calcium oxide nanophosphor irradiated with various ionizing radiations. Journal of Alloys and Compounds, 2018, 735, 1949-1954. | 5.5 | 7 |
| 15 | Photoluminescence, thermoluminescence glow curve and emission characteristics of $Y_2O_3:Er^{3+}$ nanophosphor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 349-356. | 3.9 | 14 |
| 16 | Spectroscopic studies of strong red emitting $Sr_2SiO_4:Eu^{3+}$ nanophosphors with high color purity for application in WLED using Judd-Ofelt theory and TL glow curve analysis. Optical Materials, 2018, 85, 363-372. | 3.6 | 30 |
| 17 | Thermoluminescence properties of 100 MeV Si^{7+} ion-irradiated Al_2O_3 . Radiation Effects and Defects in Solids, 2018, 173, 504-509. | 1.2 | 1 |
| 18 | Dosimetric properties of ZrO_2 and $ZrO_2:Sm^{3+}$ exposed to beta rays. Ceramics International, 2018, 44, 18871-18877. | 4.8 | 17 |

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|----|---|-----|-----------|
| 19 | TL and OSL properties of beta irradiated Y ₂ O ₃ nanocrystal. AIP Conference Proceedings, 2017, , . | 0.4 | 1 |
| 20 | Evidence of luminescence modification with structure of zirconia phases. Journal of Luminescence, 2017, 192, 173-179. | 3.1 | 17 |
| 21 | TL/OSL properties of beta irradiated Al ₂ O ₃ Nanophosphor synthesized by microwave combustion method. AIP Conference Proceedings, 2017, , . | 0.4 | 2 |
| 22 | Thermoluminescence properties of CaO powder obtained from chicken eggshells. Radiation Physics and Chemistry, 2017, 138, 54-59. | 2.8 | 10 |
| 23 | Effect of lithium incorporation on luminescence properties of nanostructured Y ₂ O ₃ :Sm ³⁺ thin films. Journal of Analytical and Applied Pyrolysis, 2017, 123, 229-236. | 5.5 | 10 |
| 24 | Mechanism of thermoluminescence in high energy carbon ion irradiated Tb ³⁺ doped Al ₂ O ₃ phosphor for carbon ion beam dosimetry. Materials Research Express, 2017, 4, 095023. | 1.6 | 13 |
| 25 | Investigation on luminescence properties of nanocrystalline calcium oxide exposed to beta rays. AIP Conference Proceedings, 2017, , . | 0.4 | 0 |
| 26 | Synthesis, thermoluminescence and defect centres in Eu ³⁺ doped Y ₂ O ₃ nanophosphor for gamma dosimetry applications. Materials Research Express, 2017, 4, 115033. | 1.6 | 20 |
| 27 | Enhancement in luminescence properties of ZrO ₂ :Dy ³⁺ under 100 MeV swift Ni ⁷⁺ ion irradiation. RSC Advances, 2016, 6, 55240-55247. | 3.6 | 15 |
| 28 | Thermoluminescence studies of ⁶⁰ Co-irradiated Al ₂ O ₃ :Ce ³⁺ phosphor. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 146-151. | 1.4 | 24 |
| 29 | Ion beam induced cubic to monoclinic phase transformation of nanocrystalline yttria. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 73-77. | 1.4 | 12 |
| 30 | Thermoluminescence properties of gamma irradiated CaO: Sm ³⁺ phosphor. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 136-140. | 1.4 | 14 |
| 31 | Swift heavy ion induced phase transformation and thermoluminescence properties of zirconium oxide. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 131-135. | 1.4 | 14 |
| 32 | Thermoluminescence studies of ⁶⁰ Co-irradiated ZnO:Mg ²⁺ nanoparticles. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 62-68. | 1.4 | 8 |
| 33 | Effect of 100 MeV swift Si ⁸⁺ ions on structural and thermoluminescence properties of Y ₂ O ₃ :Dy ³⁺ nanophosphor. Radiation Effects and Defects in Solids, 2016, 171, 408-420. | 1.2 | 5 |
| 34 | Synthesis characterization and luminescence studies of gamma irradiated nanocrystalline yttrium oxide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 220-231. | 3.9 | 56 |
| 35 | Ion beam induced luminescence studies of sol gel derived Y ₂ O ₃ :Dy ³⁺ nanophosphors. Journal of Luminescence, 2016, 169, 627-634. | 3.1 | 18 |
| 36 | 100 MeV swift Si ⁷⁺ ion induced thermoluminescence studies of nanocrystalline erbium doped ZrO ₂ . AIP Conference Proceedings, 2015, , . | 0.4 | 1 |

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|----|--|-----|-----------|
| 37 | Role of Li ion on luminescence performance of yttrium oxide thin films. <i>Dyes and Pigments</i> , 2015, 121, 221-226. | 3.7 | 12 |
| 38 | Luminescence properties of 100ÅMeV swift Si ⁷⁺ ions irradiated nanocrystalline zirconium oxide. <i>Journal of Alloys and Compounds</i> , 2015, 647, 921-926. | 5.5 | 20 |
| 39 | Thermoluminescence of sol-gel derived Y ₂ O ₃ :Nd ³⁺ nanophosphor exposed to 100MeV Si ⁸⁺ ions and gamma rays. <i>Journal of Alloys and Compounds</i> , 2015, 637, 564-573. | 5.5 | 28 |
| 40 | Luminescence performance of europium-doped yttrium oxide thin films. <i>Journal of Luminescence</i> , 2015, 157, 63-68. | 3.1 | 10 |
| 41 | SHI Induced Thermoluminescence Properties Of Sol-gel Derived Y ₂ O ₃ :Er ³⁺ Nanophosphor. <i>Advanced Materials Letters</i> , 2015, 6, 342-347. | 0.6 | 4 |
| 42 | Synthesis characterization and luminescence studies of 100MeV Si ⁸⁺ ion irradiated sol gel derived nanocrystalline Y ₂ O ₃ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 329, 40-47. | 1.4 | 33 |
| 43 | Thermoluminescence studies of ⁶⁰ Co-irradiated nanocrystalline Y ₃ Al ₅ O ₁₂ . <i>Radiation Effects and Defects in Solids</i> , 2014, 169, 696-705. | 1.2 | 5 |
| 44 | Luminescence studies of 100ÅMeV Si ⁸⁺ ion irradiated nanocrystalline Y ₂ O ₃ . <i>Radiation Measurements</i> , 2014, 71, 518-523. | 1.4 | 15 |
| 45 | Optical absorption and thermoluminescence studies in 100MeV swift heavy ion irradiated CaF ₂ crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 185-188. | 1.4 | 11 |
| 46 | Luminescence studies on swift heavy ion irradiated nanocrystalline aluminum oxide. <i>Journal of Luminescence</i> , 2011, 131, 764-767. | 3.1 | 13 |
| 47 | Photoluminescence and Raman studies in swift heavy ion irradiated polycrystalline aluminum oxide. <i>Bulletin of Materials Science</i> , 2009, 32, 515-519. | 1.7 | 34 |
| 48 | AFM and photoluminescence studies of swift heavy ion induced nanostructured aluminum oxide thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1049-1054. | 1.4 | 17 |
| 49 | Ion beam induced modifications in electron beam evaporated aluminum oxide thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1475-1479. | 1.4 | 8 |
| 50 | Thermally stimulated luminescence studies in combustion synthesized polycrystalline aluminum oxide. <i>Bulletin of Materials Science</i> , 2008, 31, 669-672. | 1.7 | 13 |
| 51 | Thermoluminescence studies in swift heavy ion irradiated aluminum oxide. <i>Radiation Measurements</i> , 2008, 43, S651-S655. | 1.4 | 46 |
| 52 | Swift heavy ion induced photoluminescence studies in Aluminum oxide. <i>Radiation Effects and Defects in Solids</i> , 2007, 162, 325-332. | 1.2 | 18 |
| 53 | Spectroscopic studies of swift heavy ion irradiated nanophase mullite. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 244, 31-33. | 1.4 | 6 |