

Upendra Kumar Kagola

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,185
citations

331538

21
h-index

360920

35
g-index

38
all docs

38
docs citations

38
times ranked

2047
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Intratumoral Thermal Reading During Photo-thermal Therapy by Multifunctional Fluorescent Nanoparticles. <i>Advanced Functional Materials</i> , 2015, 25, 615-626. | 7.8 | 274 |
| 2 | Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. <i>Nano Letters</i> , 2016, 16, 1695-1703. | 4.5 | 265 |
| 3 | Neodymium-doped LaF ₃ Nanoparticles for Fluorescence Bioimaging in the Second Biological Window. <i>Small</i> , 2014, 10, 1141-1154. | 5.2 | 185 |
| 4 | Dy ³⁺ -doped zinc fluorophosphate glasses for white luminescence applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 145-153. | 2.0 | 141 |
| 5 | Spectroscopic properties of Dy ³⁺ -doped oxyfluoride glasses for white light emitting diodes. <i>Materials Express</i> , 2013, 3, 61-70. | 0.2 | 127 |
| 6 | Yb ³⁺ /Tm ³⁺ co-doped NaNbO ₃ nanocrystals as three-photon-excited luminescent nanothermometers. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 65-71. | 4.0 | 120 |
| 7 | Nd ³⁺ doped LaF ₃ nanoparticles as self-monitored photo-thermal agents. <i>Applied Physics Letters</i> , 2014, 104, 053703. | 1.5 | 116 |
| 8 | Self-monitored photothermal nanoparticles based on core-shell engineering. <i>Nanoscale</i> , 2016, 8, 3057-3066. | 2.8 | 107 |
| 9 | Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. <i>Journal of Applied Physics</i> , 2015, 118, . | 1.1 | 102 |
| 10 | Fluorescence properties of Nd ³⁺ -doped tellurite glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 702-708. | 2.0 | 84 |
| 11 | LaF ₃ core/shell nanoparticles for subcutaneous heating and thermal sensing in the second biological-window. <i>Applied Physics Letters</i> , 2016, 108, . | 1.5 | 78 |
| 12 | Real-time deep-tissue thermal sensing with sub-degree resolution by thermally improved Nd ³⁺ :LaF ₃ multifunctional nanoparticles. <i>Journal of Luminescence</i> , 2016, 175, 149-157. | 1.5 | 71 |
| 13 | Spectroscopic and 1.06 μ m laser properties of Nd ³⁺ -doped K ⁺ Sr ²⁺ Al phosphate and fluorophosphate glasses. <i>Journal of Alloys and Compounds</i> , 2008, 458, 509-516. | 2.8 | 67 |
| 14 | Optical properties of Ho ³⁺ ions in lead phosphate glasses. <i>Optical Materials</i> , 2012, 35, 102-107. | 1.7 | 65 |
| 15 | Optical and fluorescence spectroscopy of Eu ₂ O ₃ -doped P ₂ O ₅ -K ₂ O-KF-MO-Al ₂ O ₃ (M = Mg, Sr and Ba) glasses. <i>Optics Communications</i> , 2011, 284, 2909-2914. | 1.0 | 47 |
| 16 | Spectroscopy and radiation trapping of Yb ³⁺ ions in lead phosphate glasses. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 140, 37-47. | 1.1 | 36 |
| 17 | 1.55 μ m emission and upconversion properties of Er ³⁺ -doped oxyfluorotellurite glasses. <i>Chemical Physics Letters</i> , 2007, 445, 162-166. | 1.2 | 34 |
| 18 | Optical properties of Dy ³⁺ -doped P ₂ O ₅ - K ₂ O-MgO/MgF ₂ -Al ₂ O ₃ glasses. <i>Physics Procedia</i> , 2011, 13, 70-73. | 1.2 | 32 |

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|----|--|-----|-----------|
| 19 | Luminescence properties of Eu ³⁺ ions in phosphate-based bioactive glasses. <i>Solid State Sciences</i> , 2011, 13, 1309-1314. | 1.5 | 28 |
| 20 | Luminescence and thermal lensing characterization of singly Eu ³⁺ and Tm ³⁺ doped Y ₂ O ₃ transparent ceramics. <i>Journal of Luminescence</i> , 2015, 161, 306-312. | 1.5 | 28 |
| 21 | Multicolor Upconversion Emission and Color Tunability in Tm ³⁺ /Er ³⁺ /Yb ³⁺ Tri-Doped NaNbO ₃ Nanocrystals. <i>Materials Express</i> , 2012, 2, 294-302. | 0.2 | 21 |
| 22 | Two Photon Thermal Sensing in Er ³⁺ /Yb ³⁺ Co-Doped Nanocrystalline NaNbO ₃ . <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6841-6845. | 0.9 | 18 |
| 23 | Non-linear niobate nanocrystals for two-photon imaging. <i>Optical Materials</i> , 2011, 33, 258-266. | 1.7 | 17 |
| 24 | Effect of pressure on luminescence properties of Sm ³⁺ ions in potassium niobate tellurite glass. <i>Journal of Luminescence</i> , 2008, 128, 718-720. | 1.5 | 16 |
| 25 | Synthesis, Structural Properties and Upconversion Emission of Er ³⁺ and Er ³⁺ /Yb ³⁺ Doped Nanocrystalline NaNbO ₃ . <i>Science of Advanced Materials</i> , 2012, 4, 584-590. | 0.1 | 16 |
| 26 | Spectroscopy and 1.47 μm emission properties of Tm ³⁺ -doped metaphosphate laser glasses. <i>Materials Express</i> , 2013, 3, 71-78. | 0.2 | 15 |
| 27 | Structural investigation and luminescence of nanocrystalline lanthanide doped NaNbO ₃ and Na _{0.5} K _{0.5} NbO ₃ . <i>Journal of Solid State Chemistry</i> , 2012, 196, 1-10. | 1.4 | 14 |
| 28 | Three- and two-photon upconversion luminescence switching in Tm ³⁺ /Yb ³⁺ -codoped sodium niobate nanophosphor. <i>Journal of Nanophotonics</i> , 2014, 8, 083093. | 0.4 | 14 |
| 29 | Spectroscopic investigation and heat generation of Yb ³⁺ /Ho ³⁺ codoped aluminosilicate glasses looking for the emission at 2.14 μm . <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1322. | 0.9 | 9 |
| 30 | Role of heat treatment on the structural and luminescence properties of Yb ³⁺ /Ln ³⁺ (Ln = Tm, Ho and Er) co-doped LaF ₃ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24535-24543. | 1.3 | 9 |
| 31 | Fluorescence and Spectroscopic Properties of Yb ³⁺ -Doped Phosphate Glasses. <i>Physics Procedia</i> , 2012, 29, 109-113. | 1.2 | 8 |
| 32 | BiLaWO ₆ : Er ³⁺ /Tm ³⁺ /Yb ³⁺ phosphor: Study of multiple fluorescence intensity ratiometric thermometry at cryogenic temperatures. <i>Ceramics International</i> , 2022, 48, 31344-31353. | 2.3 | 7 |
| 33 | Photoluminescence from the 5D ₄ level of Tb ³⁺ ions in BaAl fluorophosphate glass under pressure. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1813-1817. | 1.5 | 6 |
| 34 | Temperature and amino acid-assisted size- and morphology-controlled photochemical synthesis of silver decahedral nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 639-651. | 1.3 | 6 |
| 35 | White and UV Emission from Swift Ion Irradiation Modified Zinc Oxide-Porous Silicon Nanocomposite through Cathodoluminescence Spectroscopy. <i>Physics Procedia</i> , 2012, 29, 12-17. | 1.2 | 2 |
| 36 | Gold nanoparticles surface modification using BSA and cysteine. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 0 |