

Kailasnath madanan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

265
citations

933447

10
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

254
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optical characterization and tunable antibacterial properties of gold nanoparticles with common proteins. <i>Analytical Biochemistry</i> , 2021, 612, 113975. | 2.4 | 33 |
| 2 | Thermo-optic tuning of whispering gallery mode lasing from a dye-doped hollow polymer optical fiber. <i>Optics Letters</i> , 2017, 42, 2926. | 3.3 | 32 |
| 3 | Solvent assisted evolution and growth mechanism of zero to three dimensional ZnO nanostructures for dye sensitized solar cell applications. <i>Scientific Reports</i> , 2021, 11, 6159. | 3.3 | 27 |
| 4 | Laser emission from the whispering gallery modes of a graded index fiber. <i>Optics Letters</i> , 2013, 38, 3261. | 3.3 | 24 |
| 5 | Particle size and concentration effect on thermal diffusivity of water-based ZnO nanofluid using the dual-beam thermal lens technique. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1. | 2.2 | 20 |
| 6 | Multimode laser emission from free-standing cylindrical microcavities. <i>Journal of Luminescence</i> , 2014, 149, 204-207. | 3.1 | 19 |
| 7 | Microring embedded hollow polymer fiber laser. <i>Applied Physics Letters</i> , 2015, 106, 131101. | 3.3 | 18 |
| 8 | A microring multimode laser using hollow polymer optical fibre. <i>Pramana - Journal of Physics</i> , 2010, 75, 923-927. | 1.8 | 15 |
| 9 | Fluorescence characterization and gain studies on a dye-doped graded index polymer optical-fiber preform. <i>Optics and Laser Technology</i> , 2008, 40, 687-691. | 4.6 | 14 |
| 10 | The impact of ZnO nanoparticle size on the performance of photoanodes in DSSC and QDSSC: a comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3167-3179. | 2.2 | 13 |
| 11 | Pumping scheme dependent multimode laser emission from free-standing cylindrical microcavity. <i>Optics Communications</i> , 2014, 320, 125-128. | 2.1 | 8 |
| 12 | Size dependent variation of thermal diffusivity of CdSe nanoparticles based nanofluid using laser induced mode-matched thermal lens technique. <i>Journal of Optics (India)</i> , 2015, 44, 85-91. | 1.7 | 7 |
| 13 | Tunable amplified spontaneous emission from dye doped hollow polymer optical fiber. <i>Journal of Luminescence</i> , 2018, 201, 1-4. | 3.1 | 6 |
| 14 | Solvent effects on lasing characteristics for Rh B laser dye. <i>Journal of Luminescence</i> , 2016, 169, 227-232. | 3.1 | 5 |
| 15 | Photochemical Degradation of Curcumin: a Mechanism for Aqueous Based Sensing of Fluoride. <i>Journal of Fluorescence</i> , 2017, 27, 2169-2176. | 2.5 | 5 |
| 16 | Control of directional emission of resonance modes in an asymmetric cylindrical microcavity. <i>Optics and Laser Technology</i> , 2018, 105, 1-3. | 4.6 | 5 |
| 17 | Structural and optical properties of dysprosium doped hydroxyapatite nanoparticles and the use as a bioimaging probe in human cells. <i>Luminescence</i> , 2022, , . | 2.9 | 5 |
| 18 | Charge and Heat Transfer Mechanism in Directly Coupled CdSe Metal Nanohybrids. <i>Journal of Electronic Materials</i> , 2015, 44, 3581-3585. | 2.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Angular dependent light emission from planar waveguides. Journal of Applied Physics, 2015, 117, 015301. | 2.5 | 2 |
| 20 | Studying the role of ZnO nanostructure photoanodes for improving the photovoltaic performance of CdSe QDSSCs. Journal of Materials Science: Materials in Electronics, 2021, 32, 17837-17847. | 2.2 | 2 |
| 21 | Impact of laser ablated gold nanoparticles on absorption and fluorescence of Rhodamine 6G in Methyl Methacrylate. , 2012, , . | | 1 |
| 22 | Multimode laser emission from dye-doped hollow polymer optical fibre. Pramana - Journal of Physics, 2014, 82, 233-236. | 1.8 | 1 |
| 23 | Curcumin doped silica xerogel for sensing applications. , 2015, , . | | 0 |