

# M Bala Murali Krishna

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

603  
citations

1040056

9  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1142  
citing authors

| #  | ARTICLE                                                                                                                                                                                                       | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Terahertz photoconductivity and photocarrier dynamics in few-layer hBN/WS <sub>2</sub> van der Waals heterostructure laminates. <i>Semiconductor Science and Technology</i> , 2018, 33, 084001.               | 2.0  | 8         |
| 2  | Terahertz-frequency magnetoelectric effect in Ni-doped $\text{CaBaCo}_4\text{O}_7$ . <i>Physical Review B</i> , 2017, 96, .                                                                                   | 3.2  | 12        |
| 3  | Imaging the motion of electrons across semiconductor heterojunctions. <i>Nature Nanotechnology</i> , 2017, 12, 36-40.                                                                                         | 31.5 | 124       |
| 4  | Charge Transfer and Enhanced Absorption in MoS <sub>2</sub> - Organic Heterojunctions Using Plasmonic Metasurfaces. , 2017, , .                                                                               |      | 0         |
| 5  | Oxidation of Planar and Plasmonic Ag Surfaces by Exposure to O <sub>2</sub> /Ar Plasma for Organic Optoelectronic Applications. <i>MRS Advances</i> , 2016, 1, 943-948.                                       | 0.9  | 3         |
| 6  | Ultrafast Charge Transfer and Enhanced Absorption in MoS <sub>2</sub> - Organic van der Waals Heterojunctions Using Plasmonic Metasurfaces. <i>ACS Nano</i> , 2016, 10, 9899-9908.                            | 14.6 | 71        |
| 7  | Engineering Photophenomena in Large, 3D Structures Composed of Self-Assembled van der Waals Heterostructure Flakes. <i>Advanced Optical Materials</i> , 2015, 3, 1551-1556.                                   | 7.3  | 17        |
| 8  | Optical transmission control in graphene oxide and its organic composites with ultrashort laser pulses. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 015205.                                         | 2.2  | 18        |
| 9  | Influence of solvent contribution on nonlinearities of near infra-red absorbing croconate and squaraine dyes with ultrafast laser excitation. <i>Journal of Applied Physics</i> , 2013, 114, .                | 2.5  | 19        |
| 10 | Graphene oxide (GO)-Semiconductor (ZnO, TiO <sub>2</sub> ) nanoparticles for broadband optical limiting. , 2012, , .                                                                                          |      | 5         |
| 11 | Synthesis and structural, spectroscopic and nonlinear optical measurements of graphene oxide and its composites with metal and metal free porphyrins. <i>Journal of Materials Chemistry</i> , 2012, 22, 3059. | 6.7  | 156       |
| 12 | Ultrafast third order nonlinear optical properties of water soluble zinc-octacarboxy-phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 1015-1023.                                  | 0.8  | 6         |
| 13 | Nonlinear optical properties of graphene- (OH, Sn) porphyrin composites in picosecond regime. , 2011, , .                                                                                                     |      | 7         |
| 14 | Biosynthesis of Silver Nanoparticles Using <i>Moringa oleifera</i> Leaf Extract and Its Application to Optical Limiting. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 2031-2035.              | 0.9  | 46        |
| 15 | Nonlinear optical properties of covalently linked graphene-metal porphyrin composite materials. <i>Applied Physics Letters</i> , 2011, 98, .                                                                  | 3.3  | 109       |
| 16 | Application of 3D Polystyrene Photonic Crystals for Optical Limiting Studies. , 2011, , .                                                                                                                     |      | 1         |
| 17 | Nonlinear optical properties of covalently linked graphene-metal porphyrin composite materials. , 0, .                                                                                                        |      | 1         |