

# Manoj Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5400660/publications.pdf>

Version: 2024-02-01

22  
papers

1,021  
citations

840776

11  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1562  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Versatile Photosensitizers for Photodynamic Therapy at Infrared Excitation. Journal of the American Chemical Society, 2007, 129, 4526-4527.  | 13.7 | 554       |
| 2  | Highly Sensitive and Selective Label-Free Optical Detection of DNA Hybridization Based on Photon Upconverting Nanoparticles. Langmuir, 2009, 25, 6024-6027.  | 3.5  | 92        |
| 3  | Highly sensitive and selective label-free optical detection of mercuric ions using photon upconverting nanoparticles. Biosensors and Bioelectronics, 2010, 25, 2431-2435.  | 10.1 | 80        |
| 4  | Highly sensitive and selective oligonucleotide sensor for sickle cell disease gene using photon upconverting nanoparticles. Biosensors and Bioelectronics, 2009, 24, 1522-1526.  | 10.1 | 68        |
| 5  | Nanoparticle-Based Photosensitizers under CW Infrared Excitation. Chemistry of Materials, 2007, 19, 6071-6072.   | 6.7  | 57        |
| 6  | A rapid, sensitive, and selective bioluminescence resonance energy transfer (BRET)-based nucleic acid sensing system. Biosensors and Bioelectronics, 2011, 30, 133-139.  | 10.1 | 39        |
| 7  | CdS supported on electrochemically reduced rGO for photo reduction of water to hydrogen. International Journal of Hydrogen Energy, 2019, 44, 10573-10584.  | 7.1  | 18        |
| 8  | Synthesis of biocompatible, BSA capped fluorescent CaCO <sub>3</sub> pre-nucleation nanoclusters for cell imaging applications. Journal of Materials Chemistry B, 2020, 8, 5729-5744.  | 5.8  | 18        |
| 9  | Polyvinyl alcohol/chitosan lactate composite hydrogel for controlled drug delivery. Materials Research Express, 2019, 6, 115408.   | 1.6  | 17        |
| 10 | Development and characterization of rGO supported CdS MoS <sub>2</sub> photoelectrochemical catalyst for splitting water by visible light. International Journal of Hydrogen Energy, 2019, 44, 16176-16189.                                      | 7.1  | 16        |
| 11 | Solution-phase detection of dual microRNA biomarkers in serum. Analytical and Bioanalytical Chemistry, 2012, 402, 543-550.   | 3.7  | 11        |
| 12 | Fabrication of polyvinyl alcohol/chitosan oligosaccharide hydrogel: physicochemical characterizations and <i>in vitro</i> drug release study. International Journal of Polymer Analysis and Characterization, 2020, 25, 353-361.                 | 1.9  | 11        |
| 13 | Deciphering interaction between chlorophyll functionalized carbon quantum dots with arsenic and mercury toxic metals in water as highly sensitive dual-probe sensor. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114059. | 3.9  | 7         |
| 14 | Development of luminescent atacamite nanoclusters for bioimaging and photothermal applications. Nanotechnology, 2020, 31, 265102.  | 2.6  | 6         |
| 15 | Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. Analytical Biochemistry, 2016, 498, 1-7.   | 2.4  | 5         |
| 16 | Development of ultrasensitive and As(III)-selective upconverting (NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> ) platform. Analyst, The, 2020, 145, 6378-6387.  | 3.5  | 5         |
| 17 | Chelating agent and substrate effect on hydrothermal growth of Yb <sup>3+</sup> /Er <sup>3+</sup> doped NaYf <sub>4</sub> film. Processing and Application of Ceramics, 2021, 15, 69-78.   | 0.8  | 4         |
| 18 | Forecast of Phase Diagram for the Synthesis of a Complex for the Detection of Cr <sup>6+</sup> Ions. ACS Omega, 2022, 7, 7460-7471.  | 3.5  | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis, characterization and biosensing application of photon upconverting nanoparticles. Proceedings of SPIE, 2009, 7188, .   | 0.8 | 3         |
| 20 | Green route synthesized upconverting (NaYF <sub>4</sub> : Yb <sup>3+</sup> , Tm <sup>3+</sup> )nanophosphors and its photophysical and magnetic Properties. Journal of Luminescence, 2020, 228, 117654. | 3.1 | 3         |
| 21 | Understanding the In Situ Mechanistic Control of Plantâ€Derived Carbon Quantum Dots on the Synthesis of Gold Nanoparticles. ChemistrySelect, 2019, 4, 13677-13688.                                      | 1.5 | 2         |
| 22 | Phase Diagram, Thermodynamic Stability and Interfacial Studies on Solid Dispersions of Phenothiazine-Acetanilide Drug System. , 2016, 1, 26-32.   |     | 1         |