# Oluwatobi Samuel Oluwafemi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2650341/publications.pdf

Version: 2024-02-01

| 28 | 521 | 623734 | 677142 |
|---|---|---|---|
| papers | citations | 14 h-index | 22 g-index |

| 28 | 28 | 28 | 636 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Porphyrin as Diagnostic and Therapeutic Agent. Molecules, 2019, 24, 2669. | 3.8 | 112 |
| 2 | Evolution of ternary Iâ€“IIIâ€“VI QDs: Synthesis, characterization and application. Nano Structures Nano Objects, 2017, 12, 46-56. | 3.5 | 75 |
| 3 | Facile, large scale synthesis of water soluble AgInSe2/ZnSe quantum dots and its cell viability assessment on different cell lines. Materials Science and Engineering C, 2020, 106, 110181. | 7.3 | 37 |
| 4 | Facile synthesis of transparent and fluorescent epoxyâ€“CdSeâ€“CdSâ€“ZnS coreâ€“multi shell polymer nanocomposites. New Journal of Chemistry, 2014, 38, 155-162. | 2.8 | 29 |
| 5 | Nonlinear transmittance and optical power limiting in magnesium ferrite nanoparticles: effects of laser pulsewidth and particle size. RSC Advances, 2016, 6, 106754-106761. | 3.6 | 28 |
| 6 | Gelatin stabilization of quantum dots for improved stability and biocompatibility. International Journal of Biological Macromolecules, 2018, 107, 635-641. | 7.5 | 28 |
| 7 | Magnetic performance and defect characterization studies of coreâ€“shell architectured MgFe<sub>2</sub>O<sub>4</sub>@BaTiO<sub>3</sub>multiferroic nanostructures. Physical Chemistry Chemical Physics, 2019, 21, 8709-8720. | 2.8 | 26 |
| 8 | Facile green synthesis of ZnInS quantum dots: temporal evolution of their optical properties and cell viability against normal and cancerous cells. Journal of Materials Chemistry C, 2020, 8, 9329-9336. | 5.5 | 22 |
| 9 | Investigating solvent effects on aggregation behaviour, linear and nonlinear optical properties of silver nanoclusters. Optical Materials, 2017, 73, 695-705. | 3.6 | 19 |
| 10 | Synthesis, structural and fluorescence optimization of ternary Cuâ€“Inâ€“S quantum dots passivated with ZnS. Journal of Luminescence, 2020, 227, 117541. | 3.1 | 19 |
| 11 | Simple green synthesis of amino acid functionalised CdTe/CdSe/ZnSe core-multi shell with improved cell viability for cellular imaging. Materials Letters, 2017, 189, 168-171. | 2.6 | 18 |
| 12 | Tuning of nonlinear absorption in highly luminescent CdSe based quantum dots with coreâ€“shell and core/multi-shell architectures. Physical Chemistry Chemical Physics, 2019, 21, 11424-11434. | 2.8 | 17 |
| 13 | Green synthesis of yellow emitting PMMAâ€“CdSe/ZnS quantum dots nanophosphors. Materials Science in Semiconductor Processing, 2015, 39, 587-595. | 4.0 | 16 |
| 14 | Sodium alginate passivated CuInS2/ZnS QDs encapsulated in the mesoporous channels of amine modified SBA 15 with excellent photostability and biocompatibility. International Journal of Biological Macromolecules, 2020, 161, 1470-1476. | 7.5 | 16 |
| 15 | Defect-focused analysis of calcium-substitution-induced structural transformation of magnesium ferrite nanocrystals. New Journal of Chemistry, 2020, 44, 1556-1570. | 2.8 | 10 |
| 16 | In situ dose dependent gamma ray irradiated synthesis of PMMAâ€“Ag nanocomposite films for multifunctional applications. New Journal of Chemistry, 2018, 42, 15750-15761. | 2.8 | 8 |
| 17 | Eco-friendly synthesis of glutathione-capped CdTe/CdSe/ZnSe core/double shell quantum dots: their cytotoxicity and genotoxicity effects on Chinese hamster ovary cells. Toxicology Research, 2019, 8, 868-874. | 2.1 | 8 |
| 18 | Defects characterisation and studies of structural properties of solâ€“gel synthesised MgFe2O4 nanocrystals through positron annihilation and supportive spectroscopic methods. Philosophical Magazine, 2020, 100, 32-61. | 1.6 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Synthetic Approaches, Modification Strategies and the Application of Quantum Dots in the Sensing of Priority Pollutants. Applied Sciences (Switzerland), 2021, 11, 11580. | 2.5 | 6 |
| 20 | Magnetic response of superparamagnetic multiferroic core-shell nanostructures. AIP Conference Proceedings, 2016, , . | 0.4 | 5 |
| 21 | Embracing nanotechnology concepts in the electronics industry. , 2021, , 405-421. | | 4 |
| 22 | Synthesis of novel Zn-In-S/ZnS core/shell quantum dots: Temporal evolution and functionalization. Nano Structures Nano Objects, 2021, 25, 100673. | 3.5 | 4 |
| 23 | Positron annihilation spectroscopy for defect characterization in nanomaterials. , 2022, , 123-146. | | 3 |
| 24 | Facile aqueous synthesis of ZnInS quantum dots and its application for selective detection of Co2+ Ions. Nanotechnology, 2021, 32, 295503. | 2.6 | 2 |
| 25 | Ternary semiconductor nanocomposites. , 2021, , 77-115. | | 1 |
| 26 | Aqueous synthesis of Zn-based ternary core/shell quantum dots with excellent stability and biocompatibility against different cell lines. Journal of Materials Science, 2022, 57, 6780-6789. | 3.7 | 1 |
| 27 | Synthesis of ternary Iâ€“IIIâ€“VI quantum dots. , 2021, , 47-76. | | 0 |
| 28 | Cytotoxicity of ternary quantum dots. , 2021, , 137-153. | | 0 |