

# Oluwatobi Samuel Oluwafemi

## List of Publications by Year in descending order

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28  
papers

521  
citations

623734

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677142

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Positron annihilation spectroscopy for defect characterization in nanomaterials. , 2022, , 123-146.		3
2	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
3	Embracing nanotechnology concepts in the electronics industry. , 2021, , 405-421.		4
4	Synthesis of ternary III-VI quantum dots. , 2021, , 47-76.		0
5	Ternary semiconductor nanocomposites. , 2021, , 77-115.		1
6	Cytotoxicity of ternary quantum dots. , 2021, , 137-153.		0
7	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
8	Facile aqueous synthesis of ZnInS quantum dots and its application for selective detection of Co <sup>2+</sup> ions. Nanotechnology, 2021, 32, 295503.	2.6	2
9	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
10	Facile, large scale synthesis of water soluble AgInSe <sub>2</sub> /ZnSe quantum dots and its cell viability assessment on different cell lines. Materials Science and Engineering C, 2020, 106, 110181.	7.3	37
11	Defects characterisation and studies of structural properties of sol-gel synthesised MgFe <sub>2</sub> O <sub>4</sub> nanocrystals through positron annihilation and supportive spectroscopic methods. Philosophical Magazine, 2020, 100, 32-61.	1.6	7
12	Defect-focused analysis of calcium-substitution-induced structural transformation of magnesium ferrite nanocrystals. New Journal of Chemistry, 2020, 44, 1556-1570.	2.8	10
13	Sodium alginate passivated CuInS <sub>2</sub> /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
14	Synthesis, structural and fluorescence optimization of ternary Cu-In-S quantum dots passivated with ZnS. Journal of Luminescence, 2020, 227, 117541.	3.1	19
15	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
16	Porphyrin as Diagnostic and Therapeutic Agent. Molecules, 2019, 24, 2669.	3.8	112
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	Tuning of nonlinear absorption in highly luminescent CdSe based quantum dots with core-shell and core/multi-shell architectures. Physical Chemistry Chemical Physics, 2019, 21, 11424-11434.	2.8	17

#	ARTICLE	IF	CITATIONS
19	Magnetic performance and defect characterization studies of core-shell architected $MgFe_2O_4@BaTiO_3$ multiferroic nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8709-8720.	2.8	26
20	Gelatin stabilization of quantum dots for improved stability and biocompatibility. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 635-641.	7.5	28
21	<i>In situ</i> dose dependent gamma ray irradiated synthesis of PMMA-Ag nanocomposite films for multifunctional applications. <i>New Journal of Chemistry</i> , 2018, 42, 15750-15761.	2.8	8
22	Simple green synthesis of amino acid functionalised CdTe/CdSe/ZnSe core-multi shell with improved cell viability for cellular imaging. <i>Materials Letters</i> , 2017, 189, 168-171.	2.6	18
23	Evolution of ternary III-VI QDs: Synthesis, characterization and application. <i>Nano Structures Nano Objects</i> , 2017, 12, 46-56.	3.5	75
24	Investigating solvent effects on aggregation behaviour, linear and nonlinear optical properties of silver nanoclusters. <i>Optical Materials</i> , 2017, 73, 695-705.	3.6	19
25	Magnetic response of superparamagnetic multiferroic core-shell nanostructures. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
26	Nonlinear transmittance and optical power limiting in magnesium ferrite nanoparticles: effects of laser pulsewidth and particle size. <i>RSC Advances</i> , 2016, 6, 106754-106761.	3.6	28
27	Green synthesis of yellow emitting PMMA-CdSe/ZnS quantum dots nanophosphors. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 587-595.	4.0	16
28	Facile synthesis of transparent and fluorescent epoxy-CdSe-CdS-ZnS core-multi shell polymer nanocomposites. <i>New Journal of Chemistry</i> , 2014, 38, 155-162.	2.8	29