

# John D Obayemi

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

160  
citations

1478505

6  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of adhesive interactions in the specific targeting of Triptorelin-conjugated PEG-coated magnetite nanoparticles to breast cancer cells. <i>Acta Biomaterialia</i> , 2018, 71, 363-378.	8.3	48
2	An investigation of the viscoelastic properties and the actin cytoskeletal structure of triple negative breast cancer cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 86, 1-13.	3.1	30
3	Compressive deformation and failure of trabecular structures in a turtle shell. <i>Acta Biomaterialia</i> , 2019, 97, 535-543.	8.3	18
4	Mechanical stimulation improves osteogenesis and the mechanical properties of osteoblast- $\alpha$ -functionalized polycaprolactone/hydroxyapatite scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 2421-2434.	4.0	15
5	Concentration-driven phase transition and self-assembly in drying droplets of diluting whole blood. <i>Scientific Reports</i> , 2020, 10, 18908.	3.3	10
6	Actin cytoskeletal structure and the statistical variations of the mechanical properties of non-tumorigenic breast and triple-negative breast cancer cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 119, 104505.	3.1	9
7	In vitro studies of <i>Annona muricata</i> L. extract-loaded electrospun scaffolds for localized treatment of breast cancer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 2041-2056.	3.4	7
8	Effect of particle size and sintering time on the mechanical properties of porous Ti-6Al-4V implant. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	5
9	Compressive deformation of <i>Bambusa Vulgaris-Schrad</i> in the transverse and longitudinal orientations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103750.	3.1	5
10	Investigation of creep properties and the cytoskeletal structures of non-tumorigenic breast cells and triple-negative breast cancer cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1004-1020.	4.0	5
11	An investigation into compressive deformation and failure mechanisms in a novel Li-ion solid-state electrolyte. <i>MRS Advances</i> , 2021, 6, 154-161.	0.9	4
12	Hydroxyapatite and bone particle-doped ceramic water filters for the removal of fluoride and bacteria. <i>Cogent Engineering</i> , 2022, 9, .	2.2	2
13	Fracture and fatigue behavior of <i>Bambusa Vulgaris-Schrad</i> Bamboo. <i>Cogent Engineering</i> , 2021, 8, .	2.2	1
14	Release kinetics of fungicidal antimicrobials into packaged foods. <i>Journal of Food Safety</i> , 2021, 41, e12904.	2.3	1
15	Mechanical and thermal properties of polydimethylsiloxane/magnetite nanocomposites for cancer treatment by localized hyperthermia and Photothermal ablation. <i>Journal of Applied Polymer Science</i> , 0, , .	2.6	0