

Olayinka Oderinde

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,287
citations

201674
27
h-index

223800
46
g-index

70
all docs

70
docs citations

70
times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and properties of low-cost, photochromic transparent hydrogel based on ethaline-assisted binary tungsten oxide-molybdenum oxide nanocomposite for optical memory applications. <i>Polymers for Advanced Technologies</i> , 2022, 33, 687-699.	3.2	11
2	Intrinsic structural/morphological and photochromic responses of WO ₃ co-doped MoO ₃ nanocomposites based on varied drying methods. <i>Drying Technology</i> , 2022, 40, 2321-2334.	3.1	6
3	Macro problems from microplastics: Toward a sustainable policy framework for managing microplastic waste in Africa. <i>Science of the Total Environment</i> , 2022, 804, 150170.	8.0	47
4	Transparent and photochromic poly(hydroxyethyl acrylate-acrylamide)/WO ₃ hydrogel with antibacterial properties against bacterial keratitis in contact lens. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	11
5	<i>Saccharomyces cerevisiae</i> Strain - Growth Kinetics, Extracellular Enzymes and Production of Research Productivity and Mapping on Neem: A Bibliometric Analytical Approach Indexed in Web of Sciences. , 2022, 6, 123-132.		1
6	Template synthesis and characterization of photochromic tungsten trioxide nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7371-7379.	2.2	4
7	Bibliometric Analysis of 100 Top-Cited Articles on Neem Indexed in the Web of Science. , 2022, 6, 95-108.		1
8	Recent advances in heterogeneous catalysis for green biodiesel production by transesterification. <i>Energy Conversion and Management</i> , 2022, 258, 115406.	9.2	82
9	Microporous metal-organic frameworks based on deep eutectic solvents for adsorption of toxic gases and volatile organic compounds: A review. <i>Chemical Engineering Journal Advances</i> , 2022, 12, 100361.	5.2	11
10	Quaternary type IV deep eutectic solvent-based tungsten oxide/niobium oxide photochromic and reverse fading composite complex. <i>New Journal of Chemistry</i> , 2021, 45, 18008-18018.	2.8	6
11	Exhaust determination and air-to-fuel ratio performance of end-of-life vehicles in a developing African country: A case study of Nigeria. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 91, 102705.	6.8	5
12	A Multi-Functional and Rapid Responsive Photochromic Hydrogel for UV Indicators. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000427.	2.2	4
13	Advances in polymeric ionic liquids-based smart polymeric materials: emerging fabrication strategies. <i>ChemistrySelect</i> , 2021, .	1.5	4
14	Reroute green synthesis of hexagonal and triclinic nanostructured cerium oxide: morphology and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16324-16334.	2.2	4
15	Photochromic property of ternary transition metal oxide nanocomposite prepared with co-solvated deep eutectic mixtures. <i>Research on Chemical Intermediates</i> , 2021, 47, 3807-3823.	2.7	6
16	Development of oxidized hydroxyethyl cellulose-based hydrogel enabling unique mechanical, transparent and photochromic properties for contact lenses. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1162-1173.	7.5	17
17	Facile Green Synthesis of New Chitosan-Metal Nanoparticles as Nano-Agrofungicide For The Preservation of Postharvest Cherry Fruits. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 664-673.	2.3	8
18	Experimental and computational studies of Zn (II) complexes structured with Schiff base ligands as the efficient catalysts for chemical fixation of CO ₂ into cyclic carbonates. <i>Molecular Catalysis</i> , 2021, 515, 111894.	2.0	4

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19	Direct conversion of cellulose to levulinic acid using SO ₃ H-functionalized ionic liquids containing halogen-anions. Journal of Molecular Liquids, 2021, 339, 117278.	4.9	13
20	11 Advances in polymeric ionic liquids-based smart polymeric materials: emerging fabrication strategies. , 2021, , 145-158.		0
21	Nature-inspired chemistry toward hierarchical superhydrophobic, antibacterial and biocompatible nanofibrous membranes for effective UV-shielding, self-cleaning and oil-water separation. Journal of Hazardous Materials, 2020, 384, 121476.	12.4	240
22	Chemical fixation of CO ₂ into cyclic carbonates catalyzed by bimetal mixed MOFs: the role of the interaction between Co and Zn. Dalton Transactions, 2020, 49, 312-321.	3.3	52
23	Designing a robust recyclable tricopolymer poly(ionic liquid) macroligand for copper-mediated atom transfer radical polymerization in non-aqueous biphasic systems. New Journal of Chemistry, 2020, 44, 861-869.	2.8	2
24	Self-healing hydrogels. , 2020, , 369-423.		1
25	Multifunctional metal-organic frameworks in oil spills and associated organic pollutant remediation. Environmental Science and Pollution Research, 2020, 27, 42346-42368.	5.3	14
26	Oncology and COVID-19: Perspectives on cancer patients and oncologists in Africa. Ethics, Medicine and Public Health, 2020, 14, 100550.	0.9	6
27	Bimetallic MnCo oxide nanohybrids prepared from Prussian blue analogue for application as impedimetric aptasensor carrier to detect myoglobin. Chemical Engineering Journal, 2020, 395, 125117.	12.7	34
28	Chitosan-drug encapsulation as a potential candidate for COVID-19 drug delivery systems: A review. Journal of the Turkish Chemical Society, Section A: Chemistry, 2020, 7, 851-864.	1.1	8
29	Letter to Editor COVID-19 outbreak and medical waste: Challenge in hand. International Journal of Public Health Science, 2020, 9, 153.	0.2	0
30	Water as DES-cosolvent on the morphology tuning and photochromic enhancement of tungsten oxide-molybdenum oxide nanocomposite. Journal of Industrial and Engineering Chemistry, 2019, 80, 1-10.	5.8	22
31	Sunlight-driven photochromic hydrogel based on silver bromide with antibacterial property and non-cytotoxicity. Chemical Engineering Journal, 2019, 375, 121994.	12.7	29
32	Robust solvent-free fabrication and characterization of (polydimethylsiloxane-co-2-hydroxyethylmethacrylate)/poly (ethylene glycol) methacrylate (PDMS-co-HEMA)/PEGMA hydrogels. Polymers for Advanced Technologies, 2019, 30, 1922-1932.	3.2	3
33	Synthesis of Amino-Functionalized Ti-MOF Derived Yolk-Shell and Hollow Heterostructures for Enhanced Photocatalytic Hydrogen Production under Visible Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 4868-4877.	6.7	96
34	Facile synthesis and study of the photochromic properties of deep eutectic solvent-templated cuboctahedral-WO ₃ /MoO ₃ nanocomposites. Superlattices and Microstructures, 2019, 125, 103-112.	3.1	23
35	Characterization of Xanthan gum-based hydrogel with Fe ³⁺ ions coordination and its reversible sol-gel conversion. Carbohydrate Polymers, 2019, 203, 139-147.	10.2	88
36	Glycogen-based self-healing hydrogels with ultra-stretchable, flexible, and enhanced mechanical properties via sacrificial bond interactions. International Journal of Biological Macromolecules, 2018, 117, 648-658.	7.5	29

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37	Multifaceted polymeric materials in three-dimensional processing (3DP) technologies: Current progress and prospects. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1586-1602.	3.2	8
38	Hydroxyethyl cellulose-based self-healing hydrogels with enhanced mechanical properties via metal-ligand bond interactions. <i>European Polymer Journal</i> , 2018, 100, 219-227.	5.4	71
39	Dual ionic cross-linked double network hydrogel with self-healing, conductive, and force sensitive properties. <i>Polymer</i> , 2018, 144, 111-120.	3.8	125
40	An ultrasensitive electrochemical cytosensor based on the magnetic field assisted binanozymes synergistic catalysis of Fe ₃ O ₄ nanozyme and reduced graphene oxide/molybdenum disulfide nanozyme. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 676-684.	7.8	73
41	Template method for dual network self-healing hydrogel with conductive property. <i>Materials and Design</i> , 2018, 148, 96-103.	7.0	56
42	Planar intercalated copper (II) complex molecule as small molecule enzyme mimic combined with Fe ₃ O ₄ nanozyme for bienzyme synergistic catalysis applied to the microRNA biosensor. <i>Biosensors and Bioelectronics</i> , 2018, 110, 110-117.	10.1	65
43	A Conductive Self-Healing Double Network Hydrogel with Toughness and Force Sensitivity. <i>Chemistry - A European Journal</i> , 2018, 24, 6632-6638.	3.3	45
44	Facile fabrication of graphene-based aerogel with rare earth metal oxide for water purification. <i>Applied Surface Science</i> , 2018, 427, 779-786.	6.1	37
45	Polysaccharide-templated preparation of mechanically-tough, conductive and self-healing hydrogels. <i>Chemical Engineering Journal</i> , 2018, 334, 2222-2230.	12.7	103
46	Optimization method for blue Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ , Dy ³⁺ phosphors produced by microwave synthesis route. <i>Journal of Alloys and Compounds</i> , 2018, 737, 39-45.	5.5	28
47	Copper (II) oxide nanozyme based electrochemical cytosensor for high sensitive detection of circulating tumor cells in breast cancer. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 1-9.	3.8	76
48	Nature-inspired creation of a robust free-standing electrospun nanofibrous membrane for efficient oil-water separation. <i>Environmental Science: Nano</i> , 2018, 5, 2909-2920.	4.3	73
49	Characterization and study of luminescence enhancement behaviour of alginate-based hydrogels. <i>New Journal of Chemistry</i> , 2018, 42, 17486-17491.	2.8	4
50	Improvement of the surface wettability of silicone hydrogel films by self-assembled hydroxypropyltrimethyl ammonium chloride chitosan mixed colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 422-428.	4.7	10
51	Enhancing the mechanical properties and self-healing efficiency of hydroxyethyl cellulose-based conductive hydrogels via supramolecular interactions. <i>European Polymer Journal</i> , 2018, 105, 85-94.	5.4	55
52	Facile and cost-effective synthesis of glycogen-based conductive hydrogels with extremely flexible, excellent self-healing and tunable mechanical properties. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1463-1469.	7.5	13
53	Hydrophilic surface modification of polydimethylsiloxane-co-hydroxyethylmethacrylate (PDMS-co-HEMA) by Silwet L-77 (heptamethyltrisiloxane) surface treatment. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2601-2611.	3.2	13
54	Self-recoverable and mechanical-reinforced hydrogel based on hydrophobic interaction with self-healable and conductive properties. <i>Chemical Engineering Journal</i> , 2018, 353, 900-910.	12.7	69

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55	Durable superhydrophobic and superoleophilic electrospun nanofibrous membrane for oil-water emulsion separation. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 12-23.	9.4	157
56	Lanthanide ions-induced formation of hierarchical and transparent polysaccharide hybrid films. <i>Carbohydrate Polymers</i> , 2017, 163, 28-33.	10.2	7
57	Zinc ion-induced formation of hierarchical N-succinyl chitosan film. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	3
58	High elasticity, strength, and biocompatible amphiphilic hydrogel via click chemistry and ferric ion coordination. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1065-1070.	3.2	7
59	Bio-inspired and lanthanide-induced hierarchical sodium alginate/graphene oxide composite paper with enhanced physicochemical properties. <i>Composites Science and Technology</i> , 2017, 145, 62-70.	7.8	23
60	Effect of Amino Functionality on the Uptake of Cationic Dye by Titanium-Based Metal Organic Frameworks. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1615-1622.	1.9	64
61	1, 2-Epoxy Propane Induced Self-Assembly of Macroscopic Graphene with Good Adsorption. <i>ChemistrySelect</i> , 2017, 2, 3860-3865.	1.5	2
62	Synthesis of three-dimensional graphene architectures by using an environmental-friendly surfactant as a reducing agent. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18196-18202.	7.1	11
63	Preparation of mechanically-tough and thermo-responsive polyurethane-poly(ethylene glycol) hydrogels. <i>Reactive and Functional Polymers</i> , 2017, 117, 81-88.	4.1	17
64	Green synthesis of oriented xanthan gum-graphene oxide hybrid aerogels for water purification. <i>Carbohydrate Polymers</i> , 2017, 174, 392-399.	10.2	56
65	Synthesis of silica aerogel monoliths with controlled specific surface areas and pore sizes. <i>Materials Research Express</i> , 2017, 4, 075020.	1.6	10
66	Zinc ions enhanced nacre-like chitosan/graphene oxide composite film with superior mechanical and shape memory properties. <i>Chemical Engineering Journal</i> , 2017, 321, 502-509.	12.7	44
67	Sodium Alginate/Carboxyl-Functionalized Graphene Composite Hydrogel Via Neodymium Ions Coordination. <i>Journal of Materials Science and Technology</i> , 2017, 33, 821-826.	10.7	28
68	Hierarchical xanthan gum/graphene oxide nanocomposite film induced by ferric ions coordination. <i>Materials and Design</i> , 2017, 113, 232-239.	7.0	29
69	Hierarchical alginate biopolymer papers produced via lanthanide ion coordination. <i>RSC Advances</i> , 2016, 6, 63171-63177.	3.6	13