

Abdel-Basit Al-Odayni

List of Publications by Year in descending order

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34
papers

476
citations

933264

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713332

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34
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Adsorption of Lead (II) from Aqueous Phase Solutions Using Polypyrrole-Based Activated Carbon. <i>Materials</i> , 2019, 12, 2020.	1.3	155
2	Adsorption of Azo Dye Methyl Orange from Aqueous Solutions Using Alkali-Activated Polypyrrole-Based Graphene Oxide. <i>Molecules</i> , 2019, 24, 3685.	1.7	51
3	Synthesis of chemically modified BisGMA analog with low viscosity and potential physical and biological properties for dental resin composite. <i>Dental Materials</i> , 2019, 35, 1532-1544.	1.6	30
4	New Monomer Based on Eugenol Methacrylate, Synthesis, Polymerization and Copolymerization with Methyl Methacrylate—Characterization and Thermal Properties. <i>Polymers</i> , 2020, 12, 160.	2.0	25
5	Evaluation of Synergic Potential of rGO/SiO ₂ as Hybrid Filler for BisGMA/TEGDMA Dental Composites. <i>Polymers</i> , 2020, 12, 3025.	2.0	22
6	Novel Metformin-Based Schiff Bases: Synthesis, Characterization, and Antibacterial Evaluation. <i>Materials</i> , 2020, 13, 514.	1.3	20
7	Synthesis, spectroscopic characterization, thermal analysis and in vitro bioactivity studies of the N-(cinnamylidene) tryptophan Schiff base. <i>Journal of King Saud University - Science</i> , 2022, 34, 101988.	1.6	16
8	Adsorptive Performance of Polypyrrole-Based KOH-Activated Carbon for the Cationic Dye Crystal Violet: Kinetic and Equilibrium Studies. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-11.	1.5	14
9	A Low-Viscosity BisGMA Derivative for Resin Composites: Synthesis, Characterization, and Evaluation of Its Rheological Properties. <i>Materials</i> , 2021, 14, 338.	1.3	12
10	Thermal Properties and Non-Isothermal Crystallization Kinetics of Poly(ϵ -Valerolactone) and Poly(ϵ -Valerolactone)/Titanium Dioxide Nanocomposites. <i>Crystals</i> , 2018, 8, 452.	1.0	10
11	Poly(2-hydroxyethylmethacrylate-co-methylmethacrylate)/Lignocaine Contact Lens Preparation, Characterization, and in vitro Release Dynamic. <i>Polymers</i> , 2019, 11, 917.	2.0	10
12	Synthesis, Characterization, Single-Crystal X-ray Structure and Biological Activities of [(Z)-Ni ²⁺ -(4-Methoxybenzylidene)benzohydrazide—Nickel(II)] Complex. <i>Crystals</i> , 2021, 11, 110.	1.0	10
13	Miscibility of Poly(Ethylene-co-Vinylalcohol)/Poly(ϵ -Valerolactone) Blend and Tissue Engineering Scaffold Fabrication Using Naphthalene as Porogen. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1-23.	0.6	9
14	Preparation and Characterization of Poly(ϵ -Valerolactone)/TiO ₂ Nanohybrid Material with Pores Interconnected for Potential Use in Tissue Engineering. <i>Materials</i> , 2019, 12, 528.	1.3	7
15	Eugenyl-2-Hydroxypropyl Methacrylate-Incorporated Experimental Dental Composite: Degree of Polymerization and In Vitro Cytotoxicity Evaluation. <i>Polymers</i> , 2022, 14, 277.	2.0	7
16	Poly(2-hydroxyethylmethacrylate-graft-folic acid), synthesis, solubility enhancement, and release dynamic of folic acid. <i>Designed Monomers and Polymers</i> , 2016, 19, 479-495.	0.7	6
17	Poly(ethylene-co-vinylalcohol)/ Poly(ϵ -valerolactone)/Aspirin Composite: Model for a New Drug-Carrier System. <i>Polymers</i> , 2019, 11, 439.	2.0	6
18	Pervaporative separation of water—ethanol mixtures using an Algerian Na ⁺ montmorillonite nanoclay-incorporated poly(vinyl alcohol) nanocomposite membrane. <i>RSC Advances</i> , 2020, 10, 39531-39541.	1.7	6

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19	Preparation and Characterization of Poly(ethylene-co-vinyl alcohol)/poly(ϵ -caprolactone) Blend for Bioscaffolding Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5881.	1.8	6
20	Catalytic Performance of SBA-15-Supported Poly (Styrenesulfonic Acid) in the Esterification of Acetic Acid with n-Heptanol. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5835.	1.3	6
21	Thermal Properties, Isothermal Decomposition by Direct Analysis in Real-Time-of-Flight Mass Spectrometry and Non Isothermal Crystallization Kinetics of Poly(Ethylene-co-Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 7f 50 65		
22	Viscosity, Degree of Polymerization, Water Uptake, and Water Solubility Studies on Experimental Dichloro-BisGMA-Based Dental Composites. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3577.	1.3	6
23	Water Sorption, Water Solubility, and Rheological Properties of Resin-Based Dental Composites Incorporating Immobilizable Eugenol-Derivative Monomer. <i>Polymers</i> , 2022, 14, 366.	2.0	6
24	Miscibility of poly(acrylic acid)/poly(methyl vinyl ketone) blend and in vitro application as drug carrier system. <i>Designed Monomers and Polymers</i> , 2018, 21, 145-162.	0.7	5
25	Poly(2-hydroxyethylmethacrylate-co-2-folate ethylmethacrylate) and Folic acid/Poly(2-hydroxyethylmethacrylate) Solid Solution: Preparation and Drug Release Investigation. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1997-2018.	1.9	4
26	A new initiating system based on [(SiMes)Ru(PPh ₃)(Ind)Cl ₂] combined with azo-bis-isobutyronitrile in the polymerization and copolymerization of styrene and methyl methacrylate. <i>Designed Monomers and Polymers</i> , 2017, 20, 167-176.	0.7	4
27	Ibuprofen grafted on poly(2-hydroxyethylmethacrylate): Synthesis, mass transfer, and in vitro drug release investigations. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 36-49.	1.8	4
28	Poly(ethylene-Co-vinyl Alcohol)/Titanium Dioxide Nanocomposite: Preparation and Characterization of Properties for Potential Use in Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3449.	1.8	4
29	Bone Regeneration Using PEVAV/ β -Tricalcium Phosphate Composite Scaffolds in Standardized Calvarial Defects: Micro-Computed Tomographic Experiment in Rats. <i>Materials</i> , 2021, 14, 2384.	1.3	3
30	Poly(ϵ -valerolactone)/Poly(ethylene-co-vinylalcohol)/ β -Tricalcium Phosphate Composite as Scaffolds: Preparation, Properties, and In Vitro Amoxicillin Release. <i>Polymers</i> , 2021, 13, 46.	2.0	3
31	polymerization of methyl methacrylate and other vinylic monomers. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1017-1031.	2.3	1
32	Separation of organohalides from their microemulsions by the pervaporation technique: Application to the n-butyl bromide/SDS/n-butanol/water system. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 128-139.	1.3	1
33	Non Isothermal Crystallization Kinetics and Isothermal Decomposition of		