Saiful Izwan Abd Razaq

List of Publications by Year
in descending order

90 papers	2,178 citations	159585 30 h-index	265206 42 g-index
92 all docs	92 docs citations	92 times ranked	1939 citing authors

#	Article	IF	Citations
1	A review on the properties of electrospun cellulose acetate and its application in drug delivery systems: A new perspective. Carbohydrate Research, 2020, 491, 107978.	2.3	118
2	An insight on electrospun-nanofibers-inspired modern drug delivery system in the treatment of deadly cancers. RSC Advances, 2015, 5, 57984-58004.	3.6	85
3	Citric acid: A green cross-linker of biomaterials for biomedical applications. European Polymer Journal, 2021, 146, 110271.	5.4	81
4	Evaluation of kappa carrageenan as potential carrier for floating drug delivery system: Effect of pore forming agents. Carbohydrate Polymers, 2016, 135, 207-214.	10.2	64
5	A Review of Electrospun Conductive Polyaniline Based Nanofiber Composites and Blends: Processing Features, Applications, and Future Directions. Advances in Materials Science and Engineering, 2015, 2015, 1-19.	1.8	63
6	Nanocomposite hydrogels for melanoma skin cancer care and treatment: In-vitro drug delivery, drug release kinetics and anti-cancer activities. Arabian Journal of Chemistry, 2021, 14, 103120.	4.9	61
7	Novel functional antimicrobial and biocompatible arabinoxylan/guar gum hydrogel for skin wound dressing applications. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1488-1501.	2.7	59
8	Development of porous, antibacterial and biocompatible GO/n-HAp/bacterial cellulose/Î²-glucan biocomposite scaffold for bone tissue engineering. Arabian Journal of Chemistry, 2021, 14, 102924.	4.9	59
9	Smart and pH-sensitive rGO/Arabinoxylan/chitosan composite for wound dressing: In-vitro drug delivery, antibacterial activity, and biological activities. International Journal of Biological Macromolecules, 2021, 192, 820-831.	7.5	57
10	Development of Antibacterial, Degradable and pH-Responsive Chitosan/Guar Gum/Polyvinyl Alcohol Blended Hydrogels for Wound Dressing. Molecules, 2021, 26, 5937.	3.8	54
11	Chitosan/Poly Vinyl Alcohol/Graphene Oxide Based pH-Responsive Composite Hydrogel Films: Drug Release, Anti-Microbial and Cell Viability Studies. Polymers, 2021, 13, 3124.	4.5	53
12	Arabinoxylan-co-AA/HAp/TiO2 nanocomposite scaffold a potential material for bone tissue engineering: An in vitro study. International Journal of Biological Macromolecules, 2020, 151, 584-594.	7.5	51
13	Recent Advances in Biopolymeric Composite Materials for Tissue Engineering and Regenerative Medicines: A Review. Molecules, 2021, 26, 619.	3.8	48
14	Development and in vitro evaluation of Î²-carrageenan based polymeric hybrid nanocomposite scaffolds for bone tissue engineering. RSC Advances, 2020, 10, 40529-40542.	3.6	47
15	Synthesis of Silver-Coated Bioactive Nanocomposite Scaffolds Based on Grafted Beta-Glucan/Hydroxyapatite via Freeze-Drying Method: Anti-Microbial and Biocompatibility Evaluation for Bone Tissue Engineering. Materials, 2020, 13, 971.	2.9	46
16	Reinforcement of poly(vinyl alcohol) hydrogel with halloysite nanotubes as potential biomedical materials. Soft Materials, 2017, 15, 45-54.	1.7	45
17	Synthesis and Characterization of Silver-Coated Polymeric Scaffolds for Bone Tissue Engineering: Antibacterial and In Vitro Evaluation of Cytotoxicity and Biocompatibility. ACS Omega, 2021, 6, 4335-4346.	3.5	44
18	Antibacterial and Hemocompatible pH-Responsive Hydrogel for Skin Wound Healing Application: In Vitro Drug Release. Polymers, 2021, 13, 3703.	4.5	44

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19	MnO2-filled multiwalled carbon nanotube/polyaniline nanocomposites with enhanced interfacial interaction and electronic properties. Scripta Materialia, 2009, 61, 592-595.	5.2	43
20	A Comprehensive Review on the Applications of Exosomes and Liposomes in Regenerative Medicine and Tissue Engineering. Polymers, 2021, 13, 2529.	4.5	42
21	Vitamin D3-loaded electrospun cellulose acetate/polycaprolactone nanofibers: Characterization, in-vitro drug release and cytotoxicity studies. International Journal of Biological Macromolecules, 2021, 181, 82-98.	7.5	39
22	Sodium alginate-f-GO composite hydrogels for tissue regeneration and antitumor applications. International Journal of Biological Macromolecules, 2022, 208, 475-485.	7.5	39
23	Waste to health: A review of waste derived materials for tissue engineering. Journal of Cleaner Production, 2021, 290, 125792.	9.3	38
24	Development of Arabinoxylan-Reinforced Apple Pectin/Graphene Oxide/Nano-Hydroxyapatite Based Nanocomposite Scaffolds with Controlled Release of Drug for Bone Tissue Engineering: In-Vitro Evaluation of Biocompatibility and Cytotoxicity against MC3T3-E1. Coatings, 2020, 10, 1120.	2.6	37
25	Development of Biopolymeric Hybrid Scaffold-Based on AAc/GO/nHAp/TiO2 Nanocomposite for Bone Tissue Engineering: In-Vitro Analysis. Nanomaterials, 2021, 11, 1319.	4.1	37
26	A Review on Antiproliferative and Apoptotic Activities of Natural Honey. Anti-Cancer Agents in Medicinal Chemistry, 2014, 15, 48-56.	1.7	34
27	Halloysite nanotubes and halloysite-based composites for biomedical applications. Arabian Journal of Chemistry, 2021, 14, 103294.	4.9	34
28	pH-Responsive PVA/BC-f-GO Dressing Materials for Burn and Chronic Wound Healing with Curcumin Release Kinetics. Polymers, 2022, 14, 1949.	4.5	34
29	A Review on Medicinal Properties of Saffron toward Major Diseases. Journal of Herbs, Spices and Medicinal Plants, 2017, 23, 98-116.	1.1	33
30	Development of Polymeric Nanocomposite (Xyloglucan-co-Methacrylic Acid/Hydroxyapatite/SiO2) Scaffold for Bone Tissue Engineering Applicationsâ€"In-Vitro Antibacterial, Cytotoxicity and Cell Culture Evaluation. Polymers, 2020, 12, 1238.	4.5	33
31	Surface entrapment of chitosan on 3D printed polylactic acid scaffold and its biomimetic growth of hydroxyapatite. Composite Interfaces, 2019, 26, 465-478.	2.3	32
32	Transdermal Delivery of Crocin Using Bacterial Nanocellulose Membrane. Fibers and Polymers, 2019, 20, 2025-2031.	2.1	32
33	Nano-hydroxyapatite reinforced zeolite ZSM composites: A comprehensive study on the structural and in vitro biological properties. Ceramics International, 2016, 42, 7175-7182.	4.8	29
34	Influence of Poly(lactic acid) Layer on the Physical and Antibacterial Properties of Dry Bacterial Cellulose Sheet for Potential Acute Wound Healing Materials. Fibers and Polymers, 2018, 19, 263-271.	2.1	28
35	Arabinoxylan/grapheneâ€oxide/nHApâ€NPs/PVA bionano composite scaffolds for fractured bone healing. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 322-335.	2.7	28
36	In situ surface modification of natural fiber by conducting polyaniline. Composite Interfaces, 2012, 19, 365-376.	2.3	25

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37	Development of Biodegradable Bio-Based Composite for Bone Tissue Engineering: Synthesis, Characterization and In Vitro Biocompatible Evaluation. Polymers, 2021, 13, 3611.	4.5	25
38	Drug-Loaded Poly-Vinyl Alcohol Electrospun Nanofibers for Transdermal Drug Delivery: Review on Factors Affecting the Drug Release. Procedia Computer Science, 2019, 158, 436-442.	2.0	24
39	Preparation and Physicochemical Characterization of a Diclofenac Sodium-Dual Layer Polyvinyl Alcohol Patch. Polymers, 2021, 13, 2459.	4.5	24
40	Multifunctional Arabinoxylan-functionalized-Graphene Oxide Based Composite Hydrogel for Skin Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2022, 10, 865059.	4.1	24
41	A Conductive polylactic acid/polyaniline porous scaffoldviafreeze extraction for potential biomedical applications. Soft Materials, 2016, 14, 78-86.	1.7	19
42	Electroactive polymeric nanocomposite BC-g-(Fe₃O₄/GO) materials for bone tissue engineering: inÂvitro evaluations. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1349-1368.	3.5	18
43	Long-term antibacterial and stable chlorhexidine-polydopamine coating on stainless steel 316L. Progress in Organic Coatings, 2018, 122, 147-153.	3.9	17
44	Characterization of titanium ceramic composite for bone implants applications. Ceramics International, 2022, 48, 22808-22819.	4.8	16
45	MnO2-FILLED MULTIWALLED CARBON NANOTUBE/POLYANILINE NANOCOMPOSITES: EFFECT OF LOADING ON THE CONDUCTION PROPERTIES AND ITS PERCOLATION THRESHOLD. Nano, 2011, 06, 81-91.	1.0	14
46	Polyaniline-coated kenaf core and its effect on the mechanical and electrical properties of epoxy resin. Composite Interfaces, 2013, 20, 611-622.	2.3	14
47	A Review on Current Trends of Polymers in Orthodontics: BPA-Free and Smart Materials. Polymers, 2021, 13, 1409.	4.5	14
48	Development of prolonged drug delivery system using electrospun cellulose acetate/polycaprolactone nanofibers: Future subcutaneous implantation. Polymers for Advanced Technologies, 2021, 32, 3664-3678.	3.2	13
49	Bone tissue engineering potentials of 3D printed magnesiumâ€hydroxyapatite in polylactic acid composite scaffolds. Artificial Organs, 2021, 45, 1501-1512.	1.9	12
50	A Review on Recent Progress of Stingless Bee Honey and Its Hydrogel-Based Compound for Wound Care Management. Molecules, 2022, 27, 3080.	3.8	12
51	Pathological Features and Neuroinflammatory Mechanisms of SARS-CoV-2 in the Brain and Potential Therapeutic Approaches. Biomolecules, 2022, 12, 971.	4.0	12
52	ELECTRICALLY CONDUCTIVE NANOCOMPOSITES OF EPOXY/POLYANILINE NANOWIRES DOPED WITH FORMIC ACID: EFFECT OF LOADING ON THE CONDUCTION AND MECHANICAL PROPERTIES. Nano, 2012, 07, 1250039.	1.0	11
53	Enhanced Interfacial Interaction and Electronic Properties of Novel Conducting Kenaf/Polyaniline Biofibers. Polymer-Plastics Technology and Engineering, 2013, 52, 51-57.	1.9	11
54	Polyaniline-coated halloysite nanotubes: effect of para-hydroxybenzene sulfonic acid doping. Composite Interfaces, 2014, 21, 715-722.	2.3	11

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55	Electrically conductive paper of polyaniline modified pineapple leaf fiber. Fibers and Polymers, 2014, 15, 1107-1111.	2.1	11
56	Thermal Stability and Surface Wettability Studies of Polylactic Acid/Halloysite Nanotube Nanocomposite Scaffold for Tissue Engineering Studies. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012006.	0.6	11
57	Influence of citric acid on the physical and biomineralization ability of freeze/thaw poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.4	11
58	Electrospun Nanofiber and Cryogel of Polyvinyl Alcohol Transdermal Patch Containing Diclofenac Sodium: Preparation, Characterization and In Vitro Release Studies. Pharmaceutics, 2021, 13, 1900.	4.5	11
59	New Insights for Exploring the Risks of Bioaccumulation, Molecular Mechanisms, and Cellular Toxicities of AgNPs in Aquatic Ecosystem. Water (Switzerland), 2022, 14, 2192.	2.7	11
60	Novel epoxy resin composites containing polyaniline coated short kenaf bast fibers and polyaniline nanowires: mechanical and electrical properties. Journal of Polymer Engineering, 2013, 33, 565-577.	1.4	10
61	Simultaneous numerical optimization of the mechanical and electrical properties of polyaniline coated kenaf fiber using response surface methodology: nanostructured polyaniline on natural fiber. Composite Interfaces, 2012, 19, 411-424.	2.3	9
62	Hybrid composites of short acetylated kenaf bast fiber and conducting polyaniline nanowires in epoxy resin. Journal of Composite Materials, 2014, 48, 667-676.	2.4	9
63	ELECTROSPUN SODIUM ALGINATE/POLY(ETHYLENE OXIDE) NANOFIBERS FOR WOUND HEALING APPLICATIONS: CHALLENGES AND FUTURE DIRECTIONS. Cellulose Chemistry and Technology, 2022, 56, 251-270.	1.2	9
64	Para-Hydroxybenzene Sulfonic Acid as a Suitable Dopant for the Preparation of Conductive Epoxy/Polyaniline Nanowires Nanocomposites Blend: Electrical vs Mechanical Properties. Polymer-Plastics Technology and Engineering, 2013, 52, 1266-1270.	1.9	7
65	Polysaccharides as Composite Biomaterials. , 0, , .		7
66	Tensile and wettability properties of electrospun polycaprolactone coated with pectin/polyaniline composite for drug delivery application. International Journal of Structural Integrity, 2019, 10, 704-713.	3.3	7
67	Entrapment of collagen on polylactic acid 3D scaffold surface as a potential artificial bone replacement. Materials Today: Proceedings, 2021, 46, 1668-1673.	1.8	7
68	Gellan Gum Hydrogels Filled Edible Oil Microemulsion for Biomedical Materials: Phase Diagram, Mechanical Behavior, and In Vivo Studies. Polymers, 2021, 13, 3281.	4.5	7
69	EFFECT OF PARA-HYDROXYBENZENE SULFONIC ACID ON THE PROPERTIES OF EX SITU PREPARED POLYANILINE/MULTIWALLED CARBON NANOTUBESâ€“MnO2. Nano, 2010, 05, 369-373.	1.0	6
70	Novel PLA-Based Conductive Polymer Composites for Biomedical Applications. Jom, 2017, 69, 2838-2843.	1.9	6
71	Polyaniline and their Conductive Polymer Blends: A Short Review. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.8	6
72	Physicochemical, Morphological, and Microstructural Characterisation of Bacterial Nanocellulose from Gluconacetobacter xylinus BCZM. Journal of Natural Fibers, 2022, 19, 4368-4379.	3.1	5

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73	Catalyst-Free Crosslinking Modification of Nata-de-Coco-Based Bacterial Cellulose Nanofibres Using Citric Acid for Biomedical Applications. Polymers, 2021, 13, 2966.	4.5	5
74	OVERVIEW OF INEXPENSIVE PRODUCTION ROUTES OF BACTERIAL CELLULOSE AND ITS APPLICATIONS IN BIOMEDICAL ENGINEERING. Cellulose Chemistry and Technology, 2019, 53, 1-13.	1.2	5
75	Sugarcane Bagasse as the Potential Agro-Waste Resource for the Immobilization of <i>Lactobacillus rhamnosus</i> NRRL 442. Advanced Materials Research, 0, 1043, 214-218.	0.3	4
76	3D Bioprinting of a Tissue Engineered Human Heart. Series in Bioengineering, 2020, , 243-259.	0.6	4
77	Fabrication and evaluation of polylactic acid/pectin composite scaffold via freeze extraction for tissue engineering. Journal of Polymer Engineering, 2020, 40, 421-431.	1.4	4
78	Biopulping by Ceriporiopsis subvermispora towards Pineapple Leaf Fiber (PALF) Paper Properties. Advanced Materials Research, 2014, 1043, 180-183.	0.3	3
79	Impregnation of Poly(lactic acid) on Biologically Pulped Pineapple Leaf Fiber for Packaging Materials. BioResources, 2015, 10, .	1.0	3
80	Fabrication of Dual Layer Polyvinyl Alcohol Transdermal Patch: Effect of Freezing-Thawing Cycles on Morphological and Swelling Ability. Procedia Computer Science, 2019, 158, 51-57.	2.0	3
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