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	Physicochemical, Morphological, and Microstructural Characterisation of Bacterial Nanocellulose from Gluconacetobacter xylinus BCZM. Journal of Natural Fibers, 2022, 19, 4368-4379.	3.1	5
2	Medical applications of polymer/functionalized nanoparticle composite systems, renewable polymers, and polymerâ€“metal oxide composites. , 2022, , 129-164.		0
3	Electroactive polymeric nanocomposite BC-<i>g</i>-(Fe₃O₄/GO) materials for bone tissue engineering: <i>inÂvitro</i> evaluations. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1349-1368.	3.5	18
4	Sodium alginate-f-GO composite hydrogels for tissue regeneration and antitumor applications. International Journal of Biological Macromolecules, 2022, 208, 475-485.	7.5	39
5	Multifunctional Arabinoxylan-functionalized-Graphene Oxide Based Composite Hydrogel for Skin Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2022, 10, 865059.	4.1	24
6	Characterization of titanium ceramic composite for bone implants applications. Ceramics International, 2022, 48, 22808-22819.	4.8	16
7	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
8	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
9	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
10	Pathological Features and Neuroinflammatory Mechanisms of SARS-CoV-2 in the Brain and Potential Therapeutic Approaches. Biomolecules, 2022, 12, 971.	4.0	12
11	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
12	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
13			

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19	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
20	A Review on Current Trends of Polymers in Orthodontics: BPA-Free and Smart Materials. Polymers, 2021, 13, 1409.	4.5	14
21	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
22	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
23	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
24	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
25	Bone tissue engineering potentials of 3D printed magnesiumâ€hydroxyapatite in polylactic acid composite scaffolds. Artificial Organs, 2021, 45, 1501-1512.	1.9	12
26	Preparation and Physicochemical Characterization of a Diclofenac Sodium-Dual Layer Polyvinyl Alcohol Patch. Polymers, 2021, 13, 2459.	4.5	24
27	A Comprehensive Review on the Applications of Exosomes and Liposomes in Regenerative Medicine and Tissue Engineering. Polymers, 2021, 13, 2529.	4.5	42
28	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
29	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
30	Halloysite nanotubes and halloysite-based composites for biomedical applications. Arabian Journal of Chemistry, 2021, 14, 103294.	4.9	34
31	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
32	Development of Antibacterial, Degradable and pH-Responsive Chitosan/Guar Gum/Polyvinyl Alcohol Blended Hydrogels for Wound Dressing. Molecules, 2021, 26, 5937.	3.8	54
33	Development of Biodegradable Bio-Based Composite for Bone Tissue Engineering: Synthesis, Characterization and In Vitro Biocompatible Evaluation. Polymers, 2021, 13, 3611.	4.5	25
34	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
35	Antibacterial and Hemocompatible pH-Responsive Hydrogel for Skin Wound Healing Application: In Vitro Drug Release. Polymers, 2021, 13, 3703.	4.5	44
36	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

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37	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
38	Development and <i>in vitro</i> evaluation of Îº-carrageenan based polymeric hybrid nanocomposite scaffolds for bone tissue engineering. RSC Advances, 2020, 10, 40529-40542.	3.6	47
39	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
40	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
41	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
42	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
43	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
44	3D Bioprinting of a Tissue Engineered Human Heart. Series in Bioengineering, 2020, , 243-259.	0.6	4
45	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
46	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
47	Transdermal Delivery of Crocin Using Bacterial Nanocellulose Membrane. Fibers and Polymers, 2019, 20, 2025-2031.	2.1	32
48	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
49	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
50	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
51	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
52	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
53	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
54	Long-term antibacterial and stable chlorhexidine-polydopamine coating on stainless steel 316L. Progress in Organic Coatings, 2018, 122, 147-153.	3.9	17

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55	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
56	A Review on Medicinal Properties of Saffron toward Major Diseases. Journal of Herbs, Spices and Medicinal Plants, 2017, 23, 98-116.	1.1	33
57	Surface Modification of Bacterial Cellulose Film. Materials Science Forum, 2017, 889, 71-74.	0.3	1
58	Novel PLA-Based Conductive Polymer Composites for Biomedical Applications. Jom, 2017, 69, 2838-2843.	1.9	6
59	Reinforcement of poly(vinyl alcohol) hydrogel with halloysite nanotubes as potential biomedical materials. Soft Materials, 2017, 15, 45-54.	1.7	45
60	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
61	A Conductive polylactic acid/polyaniline porous scaffold<i>via</i>freeze extraction for potential biomedical applications. Soft Materials, 2016, 14, 78-86.	1.7	19
62	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
63	Influence of Polyaniline Coated Kenaf Fiber on Kenaf Paper Sheet. MATEC Web of Conferences, 2015, 27, 01002.	0.2	1
64	Preparation and Characterization of Cassava Leaves/ Cassava Starch Acetate Biocomposite Sheets. BioResources, 2015, 10, .	1.0	0
65	Impregnation of Poly(lactic acid) on Biologically Pulped Pineapple Leaf Fiber for Packaging Materials. BioResources, 2015, 10, .	1.0	3
66	Biomimetic Growth of Hydroxyapatite on Kenaf Fibers. BioResources, 2015, 11, .	1.0	0
67	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
68	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
69	A Review on Antiproliferative and Apoptotic Activities of Natural Honey. Anti-Cancer Agents in Medicinal Chemistry, 2014, 15, 48-56.	1.7	34
70	Biopulping by <i>Ceriporiopsis subvermispora</i> towards Pineapple Leaf Fiber (PALF) Paper Properties. Advanced Materials Research, 2014, 1043, 180-183.	0.3	3
71	Polyaniline-coated halloysite nanotubes: effect of para-hydroxybenzene sulfonic acid doping. Composite Interfaces, 2014, 21, 715-722.	2.3	11
72	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

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73	Electrically conductive paper of polyaniline modified pineapple leaf fiber. Fibers and Polymers, 2014, 15, 1107-1111.	2.1	11
74	Polyaniline and their Conductive Polymer Blends: A Short Review. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.8	6
75	Enhanced Interfacial Interaction and Electronic Properties of Novel Conducting Kenaf/Polyaniline Biofibers. Polymer-Plastics Technology and Engineering, 2013, 52, 51-57.	1.9	11
76	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
77	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
78	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
79	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
80	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
81	<i>In situ</i> surface modification of natural fiber by conducting polyaniline. Composite Interfaces, 2012, 19, 365-376.	2.3	25
82	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
83	STRUCTURAL AND INTERACTION PROPERTIES OF ENCAPSULATED MnO2 NANOWIRES FILLED MWCNTs. Nano, 2011, 06, 435-439.	1.0	0
84	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
85	MnO2-filled multiwalled carbon nanotube/polyaniline nanocomposites with enhanced interfacial interaction and electronic properties. Scripta Materialia, 2009, 61, 592-595.	5.2	43
86	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
87	<i>In Situ</i> Deposition of Conducting Polymer onto Pineapple Leaf Fiber. Advanced Materials Research, 0, 1043, 189-192.	0.3	0
88	Coating of Conducting Polymers on Natural Cellulosic Fibers. , 0, , .		2
89	Polysaccharides as Composite Biomaterials. , 0, , .		7
90	Effects of Halloysite Nanotubes on the Mechanical Properties of Polysaccharide Films. Materials Science Forum, 0, 889, 75-78.	0.3	1