

# Samsul Rizal

## List of Publications by Year in descending order

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45  
papers

1,071  
citations

393982

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433756

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45  
all docs

45  
docs citations

45  
times ranked

1224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensile Strength and Fracture Behavior of Single Abaca Fiber. <i>Journal of Natural Fibers</i> , 2022, 19, 8796-8810.	1.7	6
2	The Role of Typha angustifolia Fiberâ€™Matrix Bonding Parameters on Interfacial Shear Strength Analysis. <i>Polymers</i> , 2022, 14, 1006.	2.0	0
3	Deformation Capacity of RC Beam-Column Joints Strengthened with Ferrocement. <i>Sustainability</i> , 2022, 14, 4398.	1.6	6
4	The use of frictional and bonded contact models in finite element analysis for internal fixation of tibia fracture. <i>Frattura Ed Integrita Strutturale</i> , 2022, 16, 130-139.	0.5	1
5	The role of cellulose nanofibrillated fibers produced with combined supercritical carbon dioxide and highâ€™pressure homogenization process as reinforcement material in biodegradable polymer. <i>Polymer Composites</i> , 2021, 42, 1795-1808.	2.3	11
6	Cotton Wastes Functionalized Biomaterials from Micro to Nano: A Cleaner Approach for a Sustainable Environmental Application. <i>Polymers</i> , 2021, 13, 1006.	2.0	28
7	Properties and Characterization of Lignin Nanoparticles Functionalized in Macroalgae Biopolymer Films. <i>Nanomaterials</i> , 2021, 11, 637.	1.9	17
8	Functional Properties and Molecular Degradation of Schizostachyum Brachycladum Bamboo Cellulose Nanofibre in PLA-Chitosan Bionanocomposites. <i>Molecules</i> , 2021, 26, 2008.	1.7	22
9	Functional Properties of Antimicrobial Neem Leaves Extract Based Macroalgae Biofilms for Potential Use as Active Dry Packaging Applications. <i>Polymers</i> , 2021, 13, 1664.	2.0	16
10	Bionanocarbon Functional Material Characterisation and Enhancement Properties in Nonwoven Kenaf Fibre Nanocomposites. <i>Polymers</i> , 2021, 13, 2303.	2.0	8
11	Propionic Anhydride Modification of Cellulosic Kenaf Fibre Enhancement with Bionanocarbon in Nanobiocomposites. <i>Molecules</i> , 2021, 26, 4248.	1.7	5
12	Characterization of Thermal Bio-Insulation Materials Based on Oil Palm Wood: The Effect of Hybridization and Particle Size. <i>Polymers</i> , 2021, 13, 3287.	2.0	12
13	Isolation of Textile Waste Cellulose Nanofibrillated Fibre Reinforced in Polylactic Acid-Chitin Biodegradable Composite for Green Packaging Application. <i>Polymers</i> , 2021, 13, 325.	2.0	35
14	Functional Properties of Kenaf Bast Fibre Anhydride Modification Enhancement with Bionanocarbon in Polymer Nanobiocomposites. <i>Polymers</i> , 2021, 13, 4211.	2.0	3
15	Preparation and Characterization of Nanocellulose/Chitosan Aerogel Scaffolds Using Chemical-Free Approach. <i>Gels</i> , 2021, 7, 246.	2.1	33
16	Plasticizer Enhancement on the Miscibility and Thermomechanical Properties of Polylactic Acid-Chitin-Starch Composites. <i>Polymers</i> , 2020, 12, 115.	2.0	25
17	Influence of layering pattern of modified kenaf fiber on thermomechanical properties of epoxy composites. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2020, 36, 47-62.	0.8	11
18	A Review on Revolutionary Natural Biopolymer-Based Aerogels for Antibacterial Delivery. <i>Antibiotics</i> , 2020, 9, 648.	1.5	71

#	ARTICLE	IF	CITATIONS
19	The Sensitivity Analysis in Topology Optimization of Hip Stem Prosthesis Using Finite Element Method. IOP Conference Series: Materials Science and Engineering, 2020, 931, 012001.	0.3	0
20	Investigation of Meniscus Effect on Microbond Test of <i>Typha</i> Fiber/Epoxy Matrix. Defect and Diffusion Forum, 2020, 402, 14-19.	0.4	0
21	Properties of Macroalgae Biopolymer Films Reinforcement with Polysaccharide Microfibre. Polymers, 2020, 12, 2554.	2.0	18
22	Extracted Compounds from Neem Leaves as Antimicrobial Agent on the Physico-Chemical Properties of Seaweed-Based Biopolymer Films. Polymers, 2020, 12, 1119.	2.0	22
23	The role of silica-containing agro-industrial waste as reinforcement on physicochemical and thermal properties of polymer composites. Heliyon, 2020, 6, e03550.	1.4	14
24	The Role of Two-Step Blending in the Properties of Starch/Chitin/Poly(lactic Acid) Biodegradable Composites for Biomedical Applications. Polymers, 2020, 12, 592.	2.0	14
25	Effect of Mesh Sensitivity and Cohesive Properties on Simulation of <i>Typha</i> Fiber/Epoxy Microbond Test. Computation, 2020, 8, 2.	1.0	6
26	Preparation of Palm Oil Ash Nanoparticles: Taguchi Optimization Method by Particle Size Distribution and Morphological Studies. Applied Sciences (Switzerland), 2020, 10, 985.	1.3	15
27	Hybrid Membrane Distillation and Wet Scrubber for Simultaneous Recovery of Heat and Water from Flue Gas. Entropy, 2020, 22, 178.	1.1	7
28	Evaluation of the thermomechanical properties and biodegradation of brown rice starch-based chitosan biodegradable composite films. International Journal of Biological Macromolecules, 2020, 156, 896-905.	3.6	77
29	Evaluation of Interfacial Fracture Toughness and Interfacial Shear Strength of <i>Typha</i> Spp. Fiber/Polymer Composite by Double Shear Test Method. Materials, 2019, 12, 2225.	1.3	16
30	Oil palm microfiber-reinforced handsheet-molded thermoplastic green composites for sustainable packaging applications. Progress in Rubber, Plastics and Recycling Technology, 2019, 35, 173-187.	0.8	3
31	Properties and Characterization of a PLA-Chitin-Starch Biodegradable Polymer Composite. Polymers, 2019, 11, 1656.	2.0	35
32	Extraction of Cellulose Nanofibers via Eco-friendly Supercritical Carbon Dioxide Treatment Followed by Mild Acid Hydrolysis and the Fabrication of Cellulose Nanopapers. Polymers, 2019, 11, 1813.	2.0	41
33	Robust Superhydrophobic Cellulose Nanofiber Aerogel for Multifunctional Environmental Applications. Polymers, 2019, 11, 495.	2.0	37
34	Carbon dioxide plasma treated PVDF electrospun membrane for the removal of crystal violet dyes and iron oxide nanoparticles from water. Nano Structures Nano Objects, 2019, 18, 100268.	1.9	41
35	Tensile properties prediction of natural fibre composites using rule of mixtures: A review. Journal of Reinforced Plastics and Composites, 2019, 38, 211-248.	1.6	47
36	Enhancement of basic properties of polysaccharide-based composites with organic and inorganic fillers: A review. Journal of Applied Polymer Science, 2019, 136, 47251.	1.3	63

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37	Development of seaweed-based bamboo microcrystalline cellulose films intended for sustainable food packaging applications. <i>BioResources</i> , 2019, 14, 3389-3410.	0.5	53
38	Preparation and Characterization of Microcrystalline Cellulose from Sacred Bali Bamboo as Reinforcing Filler in Seaweed-based Composite Film. <i>Fibers and Polymers</i> , 2018, 19, 423-434.	1.1	43
39	Interfacial Compatibility Evaluation on the Fiber Treatment in the Typha Fiber Reinforced Epoxy Composites and Their Effect on the Chemical and Mechanical Properties. <i>Polymers</i> , 2018, 10, 1316.	2.0	45
40	Hemicellulose and lignin removal on typha fiber by alkali treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 352, 012019.	0.3	16
41	Biodegradable Films for Fruits and Vegetables Packaging Application: Preparation and Properties. <i>Food Engineering Reviews</i> , 2018, 10, 139-153.	3.1	90
42	Microbial-induced CaCO <sub>3</sub> filled seaweed-based film for green plasticulture application. <i>Journal of Cleaner Production</i> , 2018, 199, 150-163.	4.6	38
43	Effect soil resistivity in mapping potential corrosion in underground pipelines area. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
44	Effects of Corn Starch and <i>Kappaphycus alvarezii</i> Seaweed Blend Concentration on the Optical, Mechanical, and Water Vapor Barrier Properties of Composite Films. <i>BioResources</i> , 2017, 13, .	0.5	8
45	Simulation of the Ill-Posed Problem of Reinforced Concrete Corrosion Detection Using Boundary Element Method. <i>International Journal of Corrosion</i> , 2016, 2016, 1-5.	0.6	11