

# Dasmawati Mohamad

## List of Publications by Citations

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52  
papers

2,472  
citations

13  
h-index

49  
g-index

64  
ext. papers

3,045  
ext. citations

3.3  
avg, IF

4.94  
L-index

#	Paper	IF	Citations
52	Review on Zinc Oxide Nanoparticles: Antibacterial Activity and Toxicity Mechanism. <i>Nano-Micro Letters</i> , <b>2015</b> , 7, 219-242	19.5	1885
51	Antibacterial responses of zinc oxide structures against Staphylococcus aureus, Pseudomonas aeruginosa and Streptococcus pyogenes. <i>Ceramics International</i> , <b>2014</b> , 40, 2993-3001	5.1	77
50	Water sorption characteristics of restorative dental composites immersed in acidic drinks. <i>Dental Materials</i> , <b>2012</b> , 28, e63-70	5.7	58
49	The improvement of mechanical and thermal properties of polyamide 12 3D printed parts by fused deposition modelling. <i>EXPRESS Polymer Letters</i> , <b>2017</b> , 11, 963-982	3.4	51
48	A green sol-gel route for the synthesis of structurally controlled silica particles from rice husk for dental composite filler. <i>Ceramics International</i> , <b>2013</b> , 39, 4559-4567	5.1	51
47	Mechanical and physical properties of highly ZrO <sub>2</sub> /TCP filled polyamide 12 prepared via fused deposition modelling (FDM) 3D printer for potential craniofacial reconstruction application. <i>Materials Letters</i> , <b>2017</b> , 189, 307-309	3.3	37
46	Preparation and characterization of a newly developed polyamide composite utilising an affordable 3D printer. <i>Journal of Reinforced Plastics and Composites</i> , <b>2015</b> , 34, 1628-1638	2.9	31
45	Nanohybrid dental composite using silica from biomass waste. <i>Powder Technology</i> , <b>2016</b> , 299, 19-25	5.2	24
44	Mechanical and cytotoxicity properties of hybrid ceramics filled polyamide 12 filament feedstock for craniofacial bone reconstruction via fused deposition modelling. <i>Dental Materials</i> , <b>2018</b> , 34, e309-e316	5.7	22
43	Low surface area nanosilica from an agricultural biomass for fabrication of dental nanocomposites. <i>Ceramics International</i> , <b>2014</b> , 40, 4163-4171	5.1	21
42	Effect of surface modification and UVA photoactivation on antibacterial bioactivity of zinc oxide powder. <i>Applied Surface Science</i> , <b>2014</b> , 292, 405-412	6.7	19
41	Effects of home bleaching on surface hardness and surface roughness of an experimental nanocomposite. <i>Journal of Conservative Dentistry</i> , <b>2013</b> , 16, 356-61	0.9	17
40	Mechanism and factors influence of graphene-based nanomaterials antimicrobial activities and application in dentistry. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 11, 1290-1307	5.5	17
39	Association between Emotional Intelligence and Perceived Stress in Undergraduate Dental Students. <i>The Malaysian Journal of Medical Sciences</i> , <b>2017</b> , 24, 59-68	1.3	12
38	Structural morphology and in vitro toxicity studies of nano- and micro-sized zinc oxide structures. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 436-444	6.8	12
37	The assessment of surface roughness and microleakage of eroded tooth-colored dental restorative materials. <i>Journal of Conservative Dentistry</i> , <b>2014</b> , 17, 531-5	0.9	11
36	In-vitro efficacy of different morphology zinc oxide nanopowders on Streptococcus sobrinus and Streptococcus mutans. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 868-877	8.3	10

35	A Simple Method of Obtaining Spherical Nanosilica from Rice Husk. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2012</b> , 2, 141	1.6	10
34	Comparison of mechanical properties for polyamide 12 composite-based biomaterials fabricated by fused filament fabrication and injection molding <b>2016</b> ,		9
33	Fabrication of nasal prosthesis utilising an affordable 3D printer. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 100, 1907-1912	3.2	9
32	Surface morphological and mechanical properties of zinc oxide eugenol using different types of ZnO nanopowder. <i>Materials Science and Engineering C</i> , <b>2019</b> , 100, 645-654	8.3	8
31	Genotoxicity evaluation of dental restoration nanocomposite using comet assay and chromosome aberration test. <i>Nanotechnology</i> , <b>2013</b> , 24, 015105	3.4	7
30	Validity and reliability of the Malay version of Sleep Apnea Quality of Life Index--preliminary results. <i>Health and Quality of Life Outcomes</i> , <b>2013</b> , 11, 100	3	6
29	Characterization and enhancement of physico-mechanical properties of glass ionomer cement by incorporating a novel nano zirconia silica hydroxyapatite composite synthesized via sol-gel. <i>AIMS Materials Science</i> , <b>2019</b> , 6, 730-747	1.9	6
28	Shear bond strength of computer-aided design and computer-aided manufacturing feldspathic and nano resin ceramics blocks cemented with three different generations of resin cement. <i>Journal of Conservative Dentistry</i> , <b>2015</b> , 18, 355-9	0.9	6
27	Various recent reinforcement phase incorporations and modifications in glass ionomer powder compositions: A comprehensive review. <i>Journal of International Oral Health</i> , <b>2018</b> , 10, 161	0.4	6
26	Effect of zinc oxide on flexural and physical properties of PMMA composites <b>2016</b> ,		6
25	Physical and mechanical properties of flowable composite incorporated with nanohybrid silica synthesised from rice husk. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 2777-2785	5.5	5
24	In vitro Study on Apical Sealing Ability of Nano-Hydroxyapatite-Filled Epoxy Resin Based Endodontic Sealer <b>2010</b> ,		4
23	Water sorption, solubility, degree of conversion, and surface hardness and topography of flowable composite utilizing nano silica from rice husk. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 4173-4184	5.5	4
22	Enhancement of thermal, mechanical and physical properties of polyamide 12 composites via hybridization of ceramics for bone replacement. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 719-725	8.3	3
21	Effect of narrow infill density gap on the compressive properties of 3D printed carbon fibre reinforced acrylonitrile butadiene styrene. <i>Journal of Mechanical Science and Technology</i> , <b>2019</b> , 33, 2339-2343	1.6	3
20	Structural morphology of zinc oxide structures with antibacterial application of calamine lotion <b>2015</b> ,		3
19	The effect of Cu/Zn molar ratio on CO <sub>2</sub> hydrogenation over Cu/ZnO/ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst <b>2014</b> ,		2
18	Cytotoxicity evaluation of ZnO-eugenol (ZOE) using different ZnO structure on human gingival fibroblast <b>2017</b> ,		2

17	Toxicity evaluation of ZnO nanostructures on L929 fibroblast cell line using MTS assay <b>2015</b> ,		2
16	Characterization of ZnO Nanopowder and Antibacterial Response against Staphylococcus aureus under UVA Illumination. <i>Advanced Materials Research</i> , <b>2013</b> , 795, 148-152	0.5	2
15	Surface topography study of prepared 3D printed moulds via 3D printer for silicone elastomer based nasal prosthesis <b>2016</b> ,		2
14	Patient-Specific Reconstruction Utilizing Computer Assisted Three-Dimensional Modelling for Partial Bone Flap Defect in Hybrid Cranioplasty. <i>Journal of Craniofacial Surgery</i> , <b>2019</b> , 30, e720-e723	1.2	2
13	Microleakage assessment of a repaired, nano-filled, resin-based fissure sealant. <i>Pediatric Dentistry (discontinued)</i> , <b>2009</b> , 31, 389-94	1.2	2
12	Patient-specific reconstruction utilizing computer assisted 3D modelling for partial bone flap defect in hybrid cranioplasty <b>2016</b> ,		1
11	MECHANICAL AND MORPHOLOGICAL PROPERTIES OF POLYAMIDE 12 COMPOSITE FOR POTENTIAL BIOMEDICAL IMPLANT: INJECTION MOLDING AND DESKTOP 3D PRINTER. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 76,	1.2	1
10	Optical Properties and Antibacterial Bioactivity of ZnO Nanopowder Annealed in Different Ambient. <i>Advanced Materials Research</i> , <b>2012</b> , 626, 324-328	0.5	1
9	OSC26: Characterization and Physico-Chemical Evaluation of a Novel Glass Ionomer Nanozirconia-Silica- Hydroxyapatite Hybrid Material. <i>Journal of Indian Prosthodontic Society, The</i> , <b>2018</b> , 18, S18-S19	1.2	1
8	Physicochemical, mechanical and cytotoxicity evaluation of chitosan-based accelerated portland cement. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 11574-11586	5.5	1
7	Evaluation of Fracture Toughness, Color Stability, and Sorption Solubility of a Fabricated Novel Glass Ionomer Nano Zirconia-Silica-Hydroxyapatite Hybrid Composite Material. <i>International Journal of Polymer Science</i> , <b>2021</b> , 2021, 1-8	2.4	0
6	Cytotoxicity determination of nano-zinc oxide eugenol on human gingival fibroblast cells. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 268, 124649	4.4	0
5	Single blinded in-vitro study comparing microleakage between CAD/CAM crowns milled out of feldspathic ceramic and resin nano ceramic, cemented with three resin cements. <i>Bangladesh Journal of Medical Science</i> , <b>2019</b> , 18, 764-772	0.4	
4	Enhanced Photoconductivity and Antibacterial Response of Rubber-Grade ZnO upon UVA Illumination. <i>Advanced Materials Research</i> , <b>2014</b> , 925, 33-37	0.5	
3	Structural, Optical and Antibacterial Properties of ZnO Commercial Powder Grades. <i>Advanced Materials Research</i> , <b>2013</b> , 795, 19-23	0.5	
2	Mechanical and morphological properties of carbon fibre and its composite for biomaterials application. <i>Applied Nanoscience (Switzerland)</i> , <sup>1</sup>	3.3	
1	Nanoparticles as antibacterial agent for dental restorative materials and their antibacterial activity evaluation <b>2022</b> , 209-224		