

Denni Kurniawan

List of Publications by Year in descending order

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91
papers

1,447
citations

331670

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1700
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Castor Oil as Cutting Fluid in Machining of Hardened Stainless Steel with Minimum Quantity of Lubricant. <i>Procedia CIRP</i> , 2015, 26, 408-411.	1.9	85
2	Preparation of Natural Hydroxyapatite from Bovine Femur Bones Using Calcination at Various Temperatures. <i>Procedia Manufacturing</i> , 2015, 2, 196-201.	1.9	77
3	Influence of thermal treatment on microstructure, mechanical and degradation properties of Zn-3Mg alloy as potential biodegradable implant material. <i>Materials and Design</i> , 2015, 85, 431-437.	7.0	76
4	Hard Machining of Stainless Steel Using Wiper Coated Carbide: Tool Life and Surface Integrity. <i>Materials and Manufacturing Processes</i> , 2010, 25, 370-377.	4.7	70
5	Atmospheric pressure glow discharge plasma polymerization for surface treatment on sized basalt fiber/polylactic acid composites. <i>Composites Part B: Engineering</i> , 2012, 43, 1010-1014.	12.0	70
6	Mechanical Properties and Water Absorption Behavior of Polypropylene / Ijuk Fiber Composite by Using Silane Treatment. <i>Procedia Manufacturing</i> , 2015, 2, 573-578.	1.9	65
7	Mg-based bulk metallic glasses for biodegradable implant materials: A review on glass forming ability, mechanical properties, and biocompatibility. <i>Journal of Non-Crystalline Solids</i> , 2015, 426, 110-115.	3.1	64
8	Machining parameters effect in dry turning of AISI 316L stainless steel using coated carbide tools. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017, 231, 676-683.	2.5	59
9	Processing of Zn-3Mg alloy by equal channel angular pressing for biodegradable metal implants. <i>Journal of King Saud University - Science</i> , 2017, 29, 455-461.	3.5	58
10	Cutting Force and Surface Roughness Characterization in Cryogenic High-Speed End Milling of Ti-6Al-4V ELI. <i>Materials and Manufacturing Processes</i> , 2014, 29, 350-356.	4.7	55
11	Effect of Machining Parameters on Tool Wear and Hole Quality of AISI 316L Stainless Steel in Conventional Drilling. <i>Procedia Manufacturing</i> , 2015, 2, 202-207.	1.9	50
12	A review of evolution of electrospun tissue engineering scaffold: From two dimensions to three dimensions. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2017, 231, 597-616.	1.8	47
13	Î ³ -Fe ₂ O ₃ nanoparticles filled polyvinyl alcohol as potential biomaterial for tissue engineering scaffold. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 49, 90-104.	3.1	42
14	Finite element analysis of bone-implant biomechanics: refinement through featuring various osseointegration conditions. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2012, 41, 1090-1096.	1.5	38
15	Influence of Polyvinyl Alcohol Molecular Weight on the Electrospun Nanofiber Mechanical Properties. <i>Procedia Manufacturing</i> , 2015, 2, 568-572.	1.9	37
16	Tool Life of Coated Carbide Cutting Tool when Turning Hardened Stainless Steel under Minimum Quantity Lubricant Using Castor Oil. <i>Procedia Manufacturing</i> , 2015, 2, 563-567.	1.9	37
17	Development of highly porous biodegradable Î ³ -Fe ₂ O ₃ /polyvinyl alcohol nanofiber mats using electrospinning process for biomedical application. <i>Materials Science and Engineering C</i> , 2017, 70, 520-534.	7.3	37
18	Effect of cutting speed and feed in turning hardened stainless steel using coated carbide cutting tool under minimum quantity lubrication using castor oil. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401560066.	1.6	30

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19	Feasibility of mild hard turning of stainless steel using coated carbide tool. International Journal of Advanced Manufacturing Technology, 2012, 60, 853-863.	3.0	28
20	Effect of Silane Treatment on Mechanical Properties of Basalt Fiber/Polylactic Acid Ecofriendly Composites. Polymer-Plastics Technology and Engineering, 2013, 52, 97-100.	1.9	24
21	Elastic properties of polycaprolactone at small strains are significantly affected by strain rate and temperature. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2011, 225, 1015-1020.	1.8	23
22	Effects of repetitive processing, wood content, and coupling agent on the mechanical, thermal, and water absorption properties of wood/polypropylene green composites. Journal of Adhesion Science and Technology, 2013, 27, 1301-1312.	2.6	23
23	Hard turning of stainless steel using wiper coated carbide tool. International Journal of Precision Technology, 2007, 1, 75.	0.2	22
24	Novel Processing Technique to Produce Three Dimensional Polyvinyl Alcohol/Maghemite Nanofiber Scaffold Suitable for Hard Tissues. Polymers, 2018, 10, 353.	4.5	22
25	Chip Formation When Drilling AISI 316L Stainless Steel using Carbide Twist Drill. Procedia Manufacturing, 2015, 2, 224-229.	1.9	19
26	Towards improving mechanical properties of basalt fiber/polylactic acid composites by fiber surface treatments. Composite Interfaces, 2015, 22, 553-562.	2.3	19
27	In vitro degradation and cell viability assessment of Zn-3Mg alloy for biodegradable bone implants. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 335-342.	1.8	15
28	Optimizing Power Consumption for Sustainable Dry Turning of Treated Aluminum Alloy. Procedia Manufacturing, 2015, 2, 558-562.	1.9	14
29	Quantitative Analysis of Electroplated Nickel Coating on Hard Metal. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	13
30	Machining of bone: Analysis of cutting force and surface roughness by turning process. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 761-768.	1.8	12
31	Determination of Energy Consumption during Turning of Hardened Stainless Steel Using Resultant Cutting Force. Metals, 2021, 11, 565.	2.3	12
32	Effect of Electrospinning Parameters Setting towards Fiber Diameter. Advanced Materials Research, 0, 845, 985-988.	0.3	11
33	The Effect of Cutting Parameters on Power Consumption during Turning Nickel Based Alloy. Advanced Materials Research, 0, 845, 799-802.	0.3	11
34	Recent Developments on Computer Aided Fixture Design: Case Based Reasoning Approaches. Advances in Mechanical Engineering, 2014, 6, 484928.	1.6	11
35	Review on Zn-Based Alloys as Potential Biodegradable Medical Devices Materials. Applied Mechanics and Materials, 0, 776, 277-281.	0.2	11
36	Influence of Heat Treatment Cooling Mediums on the Degradation Property of Biodegradable Zn-3Mg Alloy. Advanced Materials Research, 0, 845, 7-11.	0.3	10

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37	Fabricating high mechanical strength Fe_2O_3 nanoparticles filled poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Ome of Bioactive and Compatible Polymers, 2017, 32, 411-428.	2.1	9
38	Effect of part orientation on dimensional accuracy, part strength, and surface quality of three dimensional printed part. IOP Conference Series: Materials Science and Engineering, 2019, 694, 012048.	0.6	9
39	Effect of High Speed Dry End Milling on Surface Roughness and Cutting Forces of Ti-6Al-4V ELI. Applied Mechanics and Materials, 0, 493, 546-551.	0.2	8
40	Mechanical properties and biocompatibility of co-axially electrospun polyvinyl alcohol/maghemite. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 739-749.	1.8	8
41	Minimum quantity of lubricant drilling of stainless steel using refined palm olein: Effect of coating tool on surface roughness and tool wear. Procedia Manufacturing, 2019, 30, 427-434.	1.9	8
42	Polycaprolactone-starch blends with corn-based coupling agent: physical properties and <i>in vitro</i> analysis. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 693-698.	1.8	7
43	Power Demand Calculations in Turning of Aluminum Alloy. Advanced Materials Research, 0, 845, 786-789.	0.3	7
44	Effect of Rare Earth Addition on Microstructure and Mechanical Properties of Al-Si Alloys: An Overview. Advanced Materials Research, 0, 845, 27-30.	0.3	6
45	Evaluation of Hole Quality on Microdrilling AISI304 Austenitic Stainless Steel. Procedia Manufacturing, 2015, 2, 465-469.	1.9	6
46	Machining Conditions Effect to Machining Temperature and Forces in Orthogonal Machining of Bone. Advanced Materials Research, 0, 658, 223-226.	0.3	5
47	Strain Distribution Equal Channel Angular Pressing of Magnesium alloy at 90° and 120° Corner Angles. Procedia Manufacturing, 2015, 2, 230-235.	1.9	5
48	Effect of magnesium fluoride coating on corrosion behaviour of magnesium alloy. IOP Conference Series: Materials Science and Engineering, 2019, 694, 012049.	0.6	5
49	Acid Pretreatment of WC-Co Prior to CVD Diamond Coating. Advanced Materials Research, 0, 576, 626-629.	0.3	4
50	Examining the Effect of Various Vegetable Oil-Based Cutting Fluids on Surface Integrity in Drilling Steel - A Review. Advanced Materials Research, 0, 845, 809-813.	0.3	4
51	Effect of Cutting Parameters on Surface Roughness in Turning of Bone. Advanced Materials Research, 0, 845, 708-712.	0.3	4
52	Comparison between Nitrogen-Oil-Mist and Air-Oil-Mist Condition when Turning of Hardened Tool Stainless Steel. Applied Mechanics and Materials, 0, 660, 18-22.	0.2	4
53	Stress Distribution Due to Loading on Premolar Teeth Implant: A Three Dimensional Finite Element Analysis. Procedia Manufacturing, 2015, 2, 218-223.	1.9	4
54	Finite element analysis of mini implant biomechanics on peri-implant bone. Procedia Manufacturing, 2019, 30, 308-314.	1.9	4

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55	Effect of Butt Joint on Mechanical Properties of Welded Low Carbon Steel. <i>Advanced Materials Research</i> , 0, 845, 775-778.	0.3	3
56	Effect of Different Cutting Speed and Feed Rate on Surface Roughness in Femur Bone Drilling. <i>Procedia Manufacturing</i> , 2015, 2, 208-211.	1.9	3
57	Modification of an Electroplated Nickel Interlayer Surface by Annealing Heat Treatment for Diamond Deposition on Tungsten Carbide. <i>Metallography, Microstructure, and Analysis</i> , 2019, 8, 201-211.	1.0	3
58	Diagnosis model for bearing faults in rotating machinery by using vibration signals and binary logistic regression. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	3
59	Biochar as a Conducting Filler to Enhance Electrical Conduction Monitoring for Concrete Structures. <i>Key Engineering Materials</i> , 2020, 847, 149-154.	0.4	3
60	Synthesis of hydroxyapatite from seashells via calcination at various temperature using microwave and furnace. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	3
61	Experiment Investigation of Hole Accuracy and Surface Roughness in Femur Bone Drilling Using Different Parameters. <i>Advanced Materials Research</i> , 0, 845, 720-723.	0.3	2
62	Acid Pretreatment of WC-Co for Surface Roughening and Cobalt Removal Prior to CVD Diamond Coating. <i>Applied Mechanics and Materials</i> , 2013, 315, 592-596.	0.2	2
63	Strain rate and temperature effects on elastic properties of polycaprolactone/starch composite. <i>E-Polymers</i> , 2016, 16, 217-223.	3.0	2
64	Effect of carburizing process in enhancing nickel interlayer adhesion to WC-6% Co-substrate and promoting diamond nucleation and growth. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016, 230, 620-626.	1.1	2
65	Effect of carburizing and annealing processes in improving the Ni/WC-Co adhesion strength. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2018, 232, 338-348.	2.5	2
66	Influence of cutting condition on chip morphology when turning hardened stainless steel using coated carbide cutting tools under minimum quantity of lubrication. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
67	Tensile and Thermal Properties of <i>Bambusa arundinacea</i> and <i>Dendrocalamus asper</i> Culm Fibers. <i>Advanced Materials Research</i> , 0, 845, 237-240.	0.3	1
68	Composition Modification of Electroplated Nickel Interlayer on Tungsten Carbide Substrate by Thermal Carburizing. <i>Advanced Materials Research</i> , 0, 845, 378-381.	0.3	1
69	Effect of Heat Treatment on Microstructure Homogeneity of Zn-3Mg Alloy. <i>Applied Mechanics and Materials</i> , 0, 493, 777-782.	0.2	1
70	Analysis of Deep Hole Drilling in Presence of Electromagnetic Field Using Taguchi Technique. , 2014, , .		1
71	Stress Distribution between Bonding Surface of Dental Filling in Enamel and Dentine. <i>Procedia Manufacturing</i> , 2015, 2, 212-217.	1.9	1
72	Performance Comparison between Dry and Nitrogen Gas Cooling when Turning Hardened Tool Steel with Coated Carbide. <i>Applied Mechanics and Materials</i> , 0, 735, 65-69.	0.2	1

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73	Peri-implant bone biomechanics featuring short implant design. AIP Conference Proceedings, 2019, , .	0.4	1
74	Penerapan K-Nearest Neighbour dalam Penerimaan Peserta Didik dengan Sistem Zonasi. Jurnal Sistem Informasi Bisnis, 2019, 9, 212.	0.1	1
75	Comparative study on stress analysis in human molar tooth between metallic and nonmetallic dental filling material. IOP Conference Series: Materials Science and Engineering, 2019, 694, 012047.	0.6	1
76	Finite element analysis of repetitive corrugation and straightening die designs for severe plastic deformation of magnesium alloy. AIP Conference Proceedings, 2020, , .	0.4	1
77	Perovskite materials for intermediate temperature solid oxide fuel cells cathodes: A review. AIP Conference Proceedings, 2020, , .	0.4	1
78	Effects of Starter Defect on Energy Release Rate of Three-Point End-Notch Flexure Tested Unidirectional Carbon Fiber Reinforced Polymer Composite. Polymers, 2020, 12, 904.	4.5	1
79	Scylla Serrata Shells Calcination using Electric Furnace and Microwave Kiln. International Journal of Engineering and Advanced Technology, 2019, 8, 500-504.	0.3	1
80	Laminate Orientation Effect on Drilling of Carbon Fiber Reinforced Plastic Composites. Applied Mechanics and Materials, 2013, 315, 768-772.	0.2	0
81	Effect of Process Parameters on Quality of Cold Spinned Tube Head. Applied Mechanics and Materials, 0, 315, 739-743.	0.2	0
82	Effect of Starter Defect to G_{IC} of Unidirectional CFRP Composite. Applied Mechanics and Materials, 0, 493, 773-776.	0.2	0
83	Analysis of Fiber Glass/Vinyl Ester Composite Subjected to Internal Pressure Loading for Compressed Natural Gas (CNG) Tube Type IV Application. Applied Mechanics and Materials, 0, 493, 645-650.	0.2	0
84	Mechanical Properties of Shielded Metal Arc Welded Low Carbon Steel: Effect of Butt Joint Type and Uncapping of Excess Weldment. Advanced Materials Research, 0, 1125, 195-199.	0.3	0
85	Influence of Microwave and Conventional Annealing Processes in Improving an Electrodeposited Nickel Interlayer Characteristics. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4951-4959.	2.2	0
86	Influence of homogenization treatment on the degradation behavior of Zn-3%Mg alloy in simulated body fluid solution. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2016, 230, 615-619.	1.1	0
87	Parameters related to seawater conditions and electrodeposition setting on the growth of formation of calcareous deposit: A review. AIP Conference Proceedings, 2020, , .	0.4	0
88	Finite element analysis of multidirectional forging dies for severe plastic deformation of magnesium alloy. AIP Conference Proceedings, 2020, , .	0.4	0
89	Effect of cooling rate and aging duration on microstructure of tin-copper solder joint. AIP Conference Proceedings, 2020, , .	0.4	0
90	Effect of water treatment on AISI 316L stainless steel biocorrosion resistance. AIP Conference Proceedings, 2020, , .	0.4	0

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91	Drilling of AISI 316L stainless steel: Effect of coolant condition on surface roughness and tool wear. AIP Conference Proceedings, 2020, , .	0.4	0