

Sulong Abu Bakar

List of Publications by Year in descending order

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164
papers

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citations

117625

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167
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#	ARTICLE	IF	CITATIONS
1	Electrospun carboxylâ€functionalised multiâ€walled carbon nanotube/poly(vinyl alcohol) asymmetric pervaporation membrane: Application and modeling. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51953.	2.6	1
2	Improvement of the Electrical-Mechanical Performance of Epoxy/Graphite Composites Based on the Effects of Particle Size and Curing Conditions. <i>Polymers</i> , 2022, 14, 502.	4.5	7
3	Recent Advances on Bacterial Cellulose-Based Wound Management: Promises and Challenges. <i>International Journal of Polymer Science</i> , 2022, 2022, 1-24.	2.7	12
4	Sintering Behavior of Bi-Material Micro-Component of 17-4PH Stainless Steel and Yttria-Stabilized Zirconia Produced by Two-Component Micro-Powder Injection Molding Process. <i>Materials</i> , 2022, 15, 2059.	2.9	4
5	Characterization of titanium ceramic composite for bone implants applications. <i>Ceramics International</i> , 2022, 48, 22808-22819.	4.8	16
6	Modification of the commercial polyester filter media support with electrospun polyethylene terephthalate fibers and its application for air purification. <i>Science and Technology for the Built Environment</i> , 2022, 28, 928-943.	1.7	2
7	Process Parameters Used in Macro/Micro Powder Injection Molding: An Overview. <i>Metals and Materials International</i> , 2021, 27, 2023-2045.	3.4	16
8	Kenaf reinforced polypropylene composites: A numerical simulation. <i>AIP Conference Proceedings</i> , 2021, , ,	0.4	0
9	Prospect of Metal Ceramic (Titanium-Wollastonite) Composite as Permanent Bone Implants: A Narrative Review. <i>Materials</i> , 2021, 14, 277.	2.9	10
10	Production of Porous Stainless Steel using the Space Holder Method. <i>Sains Malaysiana</i> , 2021, 50, 507-514.	0.5	3
11	Presintered Titanium-Hydroxyapatite Composite Fabricated via PIM Route. <i>Metals</i> , 2021, 11, 318.	2.3	4
12	Rheological properties of irregular-shaped titanium-hydroxyapatite bimodal powder composite moulded by powder injection moulding. <i>Journal of Materials Research and Technology</i> , 2021, 11, 2255-2264.	5.8	10
13	Application of sodium chloride as space holder for powder injection molding of alloy Titaniumâ€Hydroxyapatite composites. <i>Journal of Materials Research and Technology</i> , 2021, 12, 478-486.	5.8	5
14	Review of chitosan composite as a heavy metal adsorbent: Material preparation and properties. <i>Carbohydrate Polymers</i> , 2021, 259, 117613.	10.2	95
15	The Effect of Alkali Treatment on Physical, Mechanical and Thermal Properties of Kenaf Fiber and Polymer Epoxy Composites. <i>Polymers</i> , 2021, 13, 2005.	4.5	31
16	Feedstock properties and debinding mechanism of yttria-stabilized zirconia/ stainless steel 17-4PH micro-components fabricated via two-component micro-powder injection molding process. <i>Ceramics International</i> , 2021, 47, 20476-20485.	4.8	9
17	How Does Scaffold Porosity Conduct Bone Tissue Regeneration?. <i>Advanced Engineering Materials</i> , 2021, 23, 2100463.	3.5	32
18	Recent advances on biofunctionalization of metallic substrate using ceramic coating: How far are we from clinically stable implant?. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 254-270.	5.3	18

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19	Layup sequence and interfacial bonding of additively manufactured polymeric composite: A brief review. <i>Nanotechnology Reviews</i> , 2021, 10, 1853-1872.	5.8	8
20	New processing technique for biodegradable kenaf composites: A simple alternative to commercial automotive parts. <i>Composites Part B: Engineering</i> , 2020, 184, 107644.	12.0	25
21	Effects of High-Temperature Exposure on the Mechanical Properties of Kenaf Composites. <i>Polymers</i> , 2020, 12, 1643.	4.5	14
22	Influence of Multiwalled Carbon Nanotubes on the Rheological Behavior and Physical Properties of Kenaf Fiber-Reinforced Polypropylene Composites. <i>Polymers</i> , 2020, 12, 2083.	4.5	6
23	Bi-Material Micro-Part of Stainless Steel and Zirconia by Two-Component Micro-Powder Injection Molding: Rheological Properties and Solvent Debinding Behavior. <i>Metals</i> , 2020, 10, 595.	2.3	9
24	Fabrication of Porous Recycled HDPE Biocomposites Foam: Effect of Rice Husk Filler Contents and Surface Treatments on the Mechanical Properties. <i>Polymers</i> , 2020, 12, 475.	4.5	18
25	Effects of hybrid processing on microstructural and mechanical properties of thixoformed aluminum matrix composite. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155378.	5.5	13
26	Experimental Investigation and Optimal 3D Bioprinting Parameters of SA-Gel Porous Cartilage Scaffold. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 768.	2.5	13
27	Effects of the Synthesis Coating Parameters for Metal Bipolar Plates. <i>Sains Malaysiana</i> , 2020, 49, 3179-3188.	0.5	2
28	Kenaf Composites for Automotive Components: Enhancement in Machinability and Moldability. <i>Polymers</i> , 2019, 11, 1707.	4.5	22
29	Electrical Conductivity Performance of Predicted Modified Fibre Contact Model for Multi-Filler Polymer Composite. <i>Polymers</i> , 2019, 11, 1425.	4.5	8
30	Processing of Stainless Steel (SS316L)-Hydroxyapatite (HA) Powder Composite through Powder Injection Molding. <i>Journal of Physics: Conference Series</i> , 2019, 1198, 042017.	0.4	0
31	Optimisation of mechanical stir casting parameters for fabrication of carbon nanotubes/aluminium alloy composite through Taguchi method. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2223-2231.	5.8	66
32	Effect of sintering on the microstructure and mechanical properties of alloy titanium-wollastonite composite fabricated by powder injection moulding process. <i>Ceramics International</i> , 2019, 45, 11648-11653.	4.8	18
33	In Situ Controlled Surface Microstructure of 3D Printed Ti Alloy to Promote Its Osteointegration. <i>Materials</i> , 2019, 12, 815.	2.9	14
34	Effects of mechanical stirring and short heat treatment on thixoformed of carbon nanotube aluminium alloy composite. <i>Journal of Alloys and Compounds</i> , 2019, 788, 83-90.	5.5	16
35	Rheological properties of titanium-hydroxyapatite with powder space holder composite feedstock for powder injection moulding. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 2591-2599.	3.0	7
36	Fibre orientation effect on polypropylene/milled carbon fiber composites in the presence of carbon nanotubes or graphene as a secondary filler: Application on PEM fuel cell bipolar plate. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30618-30626.	7.1	29

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37	Effects of thermal cycling on physical and tensile properties of injection moulded kenaf/carbon nanotubes/polypropylene hybrid composites. <i>Composites Part B: Engineering</i> , 2019, 168, 159-165.	12.0	24
38	Incorporation of wollastonite bioactive ceramic with titanium for medical applications: An overview. <i>Materials Science and Engineering C</i> , 2019, 97, 884-895.	7.3	33
39	Fabrication of multi-filler MCF/MWCNT/SG-based bipolar plates. <i>Ceramics International</i> , 2019, 45, 7413-7418.	4.8	24
40	The design and development of an HT-PEMFC test cell and test station. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30763-30771.	7.1	25
41	Influence the Filler Orientation on the Performance of Bipolar Plate. <i>Sains Malaysiana</i> , 2019, 48, 669-676.	0.5	6
42	Structure-property-processing investigation of electrically conductive polypropylene nanocomposites. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 1177-1186.	1.4	9
43	Asymmetric membrane containing electrospun Cu-BTC/poly(vinyl alcohol) for pervaporation dehydration of 1,4-dioxane. <i>Separation and Purification Technology</i> , 2018, 192, 240-252.	7.9	12
44	Systematic study of Ce 3+ on the structural and magnetic properties of Cu nanosized ferrites for potential applications. <i>Journal of Rare Earths</i> , 2018, 36, 156-164.	4.8	87
45	Microstructure and physical and mechanical properties of micro cemented carbide injection moulded components. <i>Powder Technology</i> , 2018, 326, 151-158.	4.2	6
46	Extrusion Process of Polypropylene Composites Reinforced Milled Carbon Fibre for Conductive Polymer Composite Application. <i>MATEC Web of Conferences</i> , 2018, 248, 01012.	0.2	3
47	Effect of sintering parameters on physical and mechanical properties of powder injection moulded stainless steel-hydroxyapatite composite. <i>PLoS ONE</i> , 2018, 13, e0206247.	2.5	12
48	Multi-component MWCNT/NG/EP-based bipolar plates with enhanced mechanical and electrical characteristics fabricated by compression moulding. <i>Ceramics International</i> , 2018, 44, 14457-14464.	4.8	27
49	Effects of Die Configuration on the Electrical Conductivity of Polypropylene Reinforced Milled Carbon Fibers: An Application on a Bipolar Plate. <i>Polymers</i> , 2018, 10, 558.	4.5	9
50	UV/O3 treatment as a surface modification of rice husk towards preparation of novel biocomposites. <i>PLoS ONE</i> , 2018, 13, e0197345.	2.5	20
51	Effect of Temperature on the Mechanical Performance of Highly Conductive Composites for HT-PEMFC Application. <i>Jurnal Kejuruteraan</i> , 2018, SI1, 25-30.	0.3	2
52	The Effects of Maleic Anhydride Grafted PP (MAPP) on the Mechanical Properties of Injection Moulded Kenaf/CNTs/PP Composites. <i>Sains Malaysiana</i> , 2018, 47, 1285-1291.	0.5	3
53	Pengoptimuman Parameter Pengacuan Suntikan terhadap Ketumpatan Jasad Anum untuk Komposit Aloi Titanium-Wolastonit. <i>Sains Malaysiana</i> , 2018, 47, 2869-2875.	0.5	2
54	Pengoptimuman Parameter Sonikasi dan Pengacuan Magnetik bagi Mendapatkan Penyerakan Sebati Komposit Kuprum-Grafin Berdasarkan Sifat Morfologi. <i>Sains Malaysiana</i> , 2018, 47, 1039-1043.	0.5	1

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55	Acid doped polybenzimidazoles based membrane electrode assembly for high temperature proton exchange membrane fuel cell: A review. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9156-9179.	7.1	116
56	A review of electrical conductivity models for conductive polymer composite. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9262-9273.	7.1	168
57	Electrical properties of extruded milled carbon fibre and polypropylene. <i>Journal of Composite Materials</i> , 2017, 51, 3187-3195.	2.4	13
58	Co-Powder Injection Moulding (Co-PIM) Processing of Titanium Alloy (Ti-6Al-4V) and Hydroxyapatite (HA). <i>Procedia Engineering</i> , 2017, 184, 334-343.	1.2	6
59	A review of biocompatible metal injection moulding process parameters for biomedical applications. <i>Materials Science and Engineering C</i> , 2017, 78, 1263-1276.	7.3	114
60	Optimization of Hot Press Parameters on Tensile Strength for Unidirectional Long Kenaf Fiber Reinforced Polylactic-Acid Composite. <i>Procedia Engineering</i> , 2017, 184, 478-485.	1.2	24
61	Effect of halloysite nanotubes loading on thermo-mechanical and morphological properties of polyurethane nanocomposites. <i>Materials Technology</i> , 2017, 32, 430-442.	3.0	15
62	Effect of mixing parameters on the mixing time and density of composite HA/Ti6Al4V feedstock for powder injection molding. <i>MATEC Web of Conferences</i> , 2017, 101, 03003.	0.2	2
63	Structural, spectral, dielectric and magnetic properties of Ni _{0.5} Mg _x Zn _{0.5-x} Fe ₂ O ₄ nanosized ferrites for microwave absorption and high frequency applications. <i>Ceramics International</i> , 2017, 43, 4357-4365.	4.8	81
64	Absolute variation of the mechanical characteristics of halloysite reinforced polyurethane nanocomposites complemented by Taguchi and ANOVA approaches. <i>Results in Physics</i> , 2017, 7, 3287-3300.	4.1	9
65	The effect of milled carbon fibre filler on electrical conductivity in highly conductive polymer composites. <i>Composites Part B: Engineering</i> , 2017, 110, 153-160.	12.0	101
66	Kenaf-Biocomposites: Manufacturing, Characterization, and Applications. <i>Green Energy and Technology</i> , 2017, , 225-254.	0.6	5
67	Coating of stainless steel and titanium bipolar plates for anticorrosion in PEMFC: A review. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9135-9148.	7.1	211
68	A review of high-temperature proton exchange membrane fuel cell (HT-PEMFC) system. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9293-9314.	7.1	463
69	Effect of Starch Loading on the Thermo-Mechanical and Morphological Properties of Polyurethane Composites. <i>Materials</i> , 2017, 10, 777.	2.9	17
70	The Impact of Halloysite on the Thermo-Mechanical Properties of Polymer Composites. <i>Molecules</i> , 2017, 22, 838.	3.8	82
71	Unique Halloysite Nanotubes/Polyvinyl Alcohol/Polyvinylpyrrolidone Composite Complemented with Physico-Chemical Characterization. <i>Polymers</i> , 2017, 9, 207.	4.5	23
72	Surface Improvement of Halloysite Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 291.	2.5	21

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73	Optimizing Physio-Mechanical Properties of Halloysite Reinforced Polyurethane Nanocomposites by Taguchi Approach. <i>Science of Advanced Materials</i> , 2017, 9, 949-961.	0.7	9
74	Porous titanium alloy/hydroxyapatite composite using powder compaction route. <i>Journal of Mechanical Engineering and Sciences</i> , 2017, 11, 2679-2692.	0.6	6
75	Two Component Injection Moulding of Bi-material of Stainless Steel and Yttria Stabilized Zirconia "Green Part. <i>Jurnal Kejuruteraan</i> , 2017, 29, 49-55.	0.3	12
76	Effects of Debinding and Sintering Atmosphere on Properties and Corrosion Resistance of Powder Injection Molded 316 L - Stainless Steel. <i>Sains Malaysiana</i> , 2017, 46, 285-293.	0.5	14
77	Effect of Space Holders on Fabrication of Porous Titanium Alloy-Hydroxyapatite Composite through Powder Injection Molding. <i>Sains Malaysiana</i> , 2017, 46, 1651-1657.	0.5	5
78	TENSILE PROPERTIES OF UNIDIRECTIONAL KENAF FIBER POLYPROPYLENE COMPOSITE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	6
79	MOULDABILITY OF WOOD FILLER REINFORCED POLYPROPYLENE COMPOSITE FOR INJECTION MOULDED ENGINE COVER USING MOULD FILING SIMULATION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	0
80	Optimizing Injection Molding Parameters of Different Halloysites Type-Reinforced Thermoplastic Polyurethane Nanocomposites via Taguchi Complemented with ANOVA. <i>Materials</i> , 2016, 9, 947.	2.9	17
81	Impact of Sulfuric Acid Treatment of Halloysite on Physico-Chemic Property Modification. <i>Materials</i> , 2016, 9, 620.	2.9	59
82	Effect of Sintering Temperature on Density, Hardness and Strength of MIM Co30Cr6Mo Biomedical Alloy. <i>Funtai Oyobi Fumatsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016, 63, 434-437.	0.2	15
83	Influence of alkaline treatment and fiber loading on the physical and mechanical properties of kenaf/polypropylene composites for variety of applications. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 657-664.	4.4	140
84	Reactant Control System for Proton Exchange Membrane Fuel Cell. <i>Procedia Engineering</i> , 2016, 148, 615-620.	1.2	5
85	Impacts of Gd ³⁺ Ce on the structural, morphological and magnetic properties of garnet nanocrystalline ferrites synthesized via sol-gel route. <i>Journal of Alloys and Compounds</i> , 2016, 660, 486-495.	5.5	88
86	Effects of solid loading and cooling rate on the mechanical properties and corrosion behavior of powder injection molded 316 L stainless steel. <i>Powder Technology</i> , 2016, 289, 135-142.	4.2	22
87	Structural and magnetic properties of yttrium iron garnet (YIG) and yttrium aluminum iron garnet (YAIG) nanoferrites prepared by microemulsion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 425-431.	2.3	80
88	Pengoptimuman Proses Penyemperitan Gentian Karbon Terkisar dan Polipropilena bagi Komposit Polimer Pengalir. <i>Sains Malaysiana</i> , 2016, 45, 1913-1921.	0.5	5
89	Jig Prototype for Computer-Assisted Total Knee Replacement and Its Flow Simulation. <i>International Journal of Technology</i> , 2016, 7, 132.	0.8	3
90	CHARACTERIZATION OF HYDROXYAPATITE/TI6AL4V COMPOSITE POWDER UNDER VARIOUS SINTERING TEMPERATURE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 75, .	0.4	3

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91	Properties and Applications of Polyvinyl Alcohol, Halloysite Nanotubes and Their Nanocomposites. <i>Molecules</i> , 2015, 20, 22833-22847.	3.8	487
92	Fabrication of miniature parts using nano-sized powders and an environmentally friendly binder through micro powder injection molding. <i>Microsystem Technologies</i> , 2015, 21, 1131-1136.	2.0	8
93	Micro-powder injection molding of cemented tungsten carbide: feedstock preparation and properties. <i>Ceramics International</i> , 2015, 41, 3605-3612.	4.8	12
94	Energy absorption and load carrying capability of woven natural silk epoxy-triggered composite tubes. <i>Composites Part B: Engineering</i> , 2015, 77, 10-18.	12.0	46
95	Effect of the addition of milled carbon fiber as a secondary filler on the electrical conductivity of graphite/epoxy composites for electrical conductive material. <i>Composites Part B: Engineering</i> , 2015, 83, 75-80.	12.0	86
96	Effects of binder system and processing parameters on formability of porous Ti/HA composite through powder injection molding. <i>Materials and Design</i> , 2015, 87, 386-392.	7.0	41
97	Mechanical and Physical Properties of Injection Molded Halloysite Nanotubes-Thermoplastic Polyurethane Nanocomposites. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 195, 2748-2752.	0.5	12
98	Evaluation of thermal, morphological and mechanical properties of PMMA/NaCl/DMF electrospun nanofibers: an investigation through surface methodology approach. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 1025-1038.	2.4	17
99	Powder injection molding of HA/Ti6Al4V composite using palm stearin as based binder for implant material. <i>Materials & Design</i> , 2015, 65, 1028-1034.	5.1	48
100	Effect of sintering temperature on surface morphology and electrical properties of samarium-doped ceria carbonate for solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 1323-1332.	4.8	24
101	Morphology and tensile properties of thermoplastic polyurethane-halloysite nanotube nanocomposites. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015, 12, 2844-2856.	0.9	6
102	Effects of Vanadium Carbide on Sintered WC-10% Co Produced by Micro-powder Injection Molding. <i>Sains Malaysiana</i> , 2015, 44, 1175-1181.	0.5	2
103	Advantages and Limitations of Using Nano Sized Powders for Powder Injection Molding Process: A Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 59, .	0.4	1
104	Effect of Corrossion on the Electrical Conductivity of Metals and Polymer Composite. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 59, .	0.4	1
105	Fabrication of cemented tungsten carbide components by micro-powder injection moulding. <i>Journal of Materials Processing Technology</i> , 2014, 214, 1436-1444.	6.3	36
106	Material processing of hydroxyapatite and titanium alloy (HA/Ti) composite as implant materials using powder metallurgy: A review. <i>Materials & Design</i> , 2014, 55, 165-175.	5.1	275
107	The effect of nano-sized stainless steel powder addition on mechanical and physical properties of micropowder injection molded part. <i>Materials & Design</i> , 2014, 63, 223-232.	5.1	30
108	Failure mechanism of woven natural silk/epoxy rectangular composite tubes under axial quasi-static crushing test using trigger mechanism. <i>International Journal of Impact Engineering</i> , 2014, 64, 53-61.	5.0	51

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109	Micro-powder injection molding (MIM) of tungsten carbide. International Journal of Refractory Metals and Hard Materials, 2014, 45, 189-195.	3.8	13
110	Effect of Dry and Wet Ball Milling Process on Critical Powder Loading and Mixture Properties of Fine WC-10Co-0.8VC Powder. Jurnal Teknologi (Sciences and Engineering), 2014, 59, .	0.4	5
111	Solvent Debinding Process for ZK60 Magnesium Alloy Mim Compact. Jurnal Teknologi (Sciences and Engineering), 2014, 59, .	0.4	1
112	Rheological Behaviour of Novel Feedstock for Manufacturing Porous Stainless Steel via (MIM)-PSH. Jurnal Teknologi (Sciences and Engineering), 2014, 59, .	0.4	0
113	Effect of the compression molding parameters on the in-plane and through-plane conductivity of carbon nanotubes/graphite/epoxy nanocomposites as bipolar plate material for a polymer electrolyte membrane fuel cell. Ceramics International, 2013, 39, 1277-1284.	4.8	78
114	Effect of sintering temperature on the mechanical and physical properties of WC-10%Co through micro-powder injection molding (MIM). Ceramics International, 2013, 39, 4457-4464.	4.8	20
115	Effect of trigger configuration on the crashworthiness characteristics of natural silk epoxy composite tubes. Composites Part B: Engineering, 2013, 55, 5-10.	12.0	88
116	Effect of small-sized conductive filler on the properties of an epoxy composite for a bipolar plate in a PEMFC. Ceramics International, 2013, 39, 7159-7166.	4.8	45
117	Comparative research on the crashworthiness characteristics of woven natural silk/epoxy composite tubes. Materials & Design, 2013, 47, 248-257.	5.1	88
118	Comparison of the pervaporation performance of various types of carbon nanotube-based nanocomposites in the dehydration of acetone. Separation and Purification Technology, 2013, 107, 252-263.	7.9	43
119	Influence of sintering temperature on the power density of samarium-doped-ceria carbonate electrolyte composites for low-temperature solid oxide fuel cells. Ceramics International, 2013, 39, 5813-5820.	4.8	30
120	Development of lanthanum strontium cobalt ferrite composite cathodes for intermediate- to low-temperature solid oxide fuel cells. Journal of Zhejiang University: Science A, 2013, 14, 11-24.	2.4	29
121	Rheological and mechanical properties of carbon nanotube/Graphite/SS316L/polypropylene nanocomposite for a conductive polymer composite. Composites Part B: Engineering, 2013, 50, 54-61.	12.0	39
122	Yttria stabilized zirconia formed by micro ceramic injection molding: Rheological properties and debinding effects on the sintered part. Ceramics International, 2013, 39, 2665-2674.	4.8	32
123	Effect of Acid- and Ultraviolet/Ozonolysis-Treated MWCNTs on the Electrical and Mechanical Properties of Epoxy Nanocomposites as Bipolar Plate Applications. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	22
124	Characterization of Fabricated Feedstock Using Nano Powders and a Water-Soluble Binder in Micro Metal Injection Molding. Journal of Nano Research, 2013, 25, 174-180.	0.8	1
125	Characterization of Fabricated Feedstock Using Nano Powders and a Water-Soluble Binder in Micro Metal Injection Molding. Journal of Nano Research, 2013, 23, 36-42.	0.8	4
126	Metal Injection Moulding of ZK60 Magnesium Alloy Powder Using Palm Stearin Based Binder System. Advanced Materials Research, 2012, 445, 374-379.	0.3	3

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127	Effect of nano-sized powders on powder injection molding: a review. <i>Microsystem Technologies</i> , 2012, 18, 1941-1961.	2.0	41
128	Analysis of warpage and shrinkage properties of injection-molded micro gears polymer composites using numerical simulations assisted by the Taguchi method. <i>Materials & Design</i> , 2012, 42, 62-71.	5.1	94
129	Processing titanium foams using tapioca starch as a space holder. <i>Journal of Materials Processing Technology</i> , 2012, 212, 83-89.	6.3	143
130	Process optimization of melt spinning and mechanical strength enhancement of functionalized multi-walled carbon nanotubes reinforcing polyethylene fibers. <i>Composites Part B: Engineering</i> , 2011, 42, 11-17.	12.0	26
131	Application of Taguchi Method for Parameters Optimization in Micro Metal Injection Molding. <i>Applied Mechanics and Materials</i> , 2011, 52-54, 244-248.	0.2	1
132	Optimization of Micro Metal Injection Molding SS 316L for the Highest Green Strength by Using Taguchi Method. <i>Advanced Materials Research</i> , 2011, 264-265, 135-140.	0.3	6
133	Rheological Characterization of Water Atomised Stainless Steel SS316L for Micro MIM. <i>Advanced Materials Research</i> , 2011, 264-265, 129-134.	0.3	5
134	Enhancing Learning Experience of Novice Surgeon with Virtual Training System for Jig and Fixture Usage. <i>Lecture Notes in Computer Science</i> , 2011, , 238-244.	1.3	0
135	Parameter Optimization towards Highest Micro MIM Density by Using Taguchi Method. <i>Key Engineering Materials</i> , 2010, 443, 705-710.	0.4	10
136	Electrical Conductivity and Flexural Strength of Graphite/Carbon Nanotubes/Epoxy Nanocomposites. <i>Key Engineering Materials</i> , 2010, 447-448, 643-647.	0.4	0
137	Visualization of the Newly Designed Jig and Fixture for Computer-Assisted Knee Replacement Surgery. <i>Lecture Notes in Computer Science</i> , 2009, , 223-231.	1.3	1
138	Fabrication of Carbon Nanotubes Reinforced Polyethylene Fibers by Melt Spinning: Process Optimization and Mechanical Strength Characterization. <i>Advanced Materials Research</i> , 2007, 26-28, 289-292.	0.3	1
139	Dynamic Thermo-Mechanical Properties of Chemically Surface Modified MWCNTs Reinforced Polymeric Composites. <i>Advanced Materials Research</i> , 2007, 26-28, 285-288.	0.3	1
140	Wear Behavior of Functionalized Multi-walled Carbon Nanotube Reinforced Epoxy Matrix Composites. <i>Journal of Composite Materials</i> , 2006, 40, 1947-1960.	2.4	39
141	Flow Behavior Characteristic for Injection Process Using Nano-Yttria Stabilized Zirconia for Micro Metal Injection Molding (μ MIM). <i>Applied Mechanics and Materials</i> , 0, 44-47, 480-484.	0.2	2
142	Rheological Investigation of ZK60 Magnesium Alloy Feedstock for Metal Injection Moulding Using Palm Stearin Based Binder System. <i>Applied Mechanics and Materials</i> , 0, 44-47, 4126-4130.	0.2	9
143	Electrical Conductivity and Micro Hardness of Synthetic and Natural Graphite Epoxy Composite. <i>Key Engineering Materials</i> , 0, 447-448, 614-618.	0.4	2
144	Effects of Molding Parameters and Addition of Fillers on Gate Chip Off Formation during the Degating Process in Transfer Molding. <i>Key Engineering Materials</i> , 0, 447-448, 790-794.	0.4	0

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145	Design Approach for Jig in Computer Assisted Total Knee Replacement Surgery. Key Engineering Materials, 0, 447-448, 341-345.	0.4	0
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148	Critical Solid Loading and Rheological Study of WC-10%Co. Applied Mechanics and Materials, 0, 52-54, 97-102.	0.2	5
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