Faiz Ahmad

List of Publications by Year
in descending order

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81	1,533	331670	361022
papers	citations	21 h-index	35 g-index

83	83	83	874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of zirconium silicate reinforcement on expandable graphite based intumescent fire retardant coating. Polymer Degradation and Stability, 2014, 103, 49-62.	5.8	87
2	Synergistic effects of kaolin clay on intumescent fire retardant coating composition for fire protection of structural steel substrate. Polymer Degradation and Stability, 2014, 110, 91-103.	5.8	79
3	A review of processing techniques for graphene-reinforced metal matrix composites. Materials and Manufacturing Processes, 2019, 34, 957-985.	4.7	76
4	Effect of boric acid and melamine on the intumescent fireâ€retardant coating composition for the fire protection of structural steel substrates. Journal of Applied Polymer Science, 2013, 128, 2983-2993.	2.6	71
5	Effects of ammonium polyphosphate and boric acid on the thermal degradation of an intumescent fire retardant coating. Progress in Organic Coatings, 2017, 109, 70-82.	3.9	71
6	Thermal degradation and pyrolysis analysis of zinc borate reinforced intumescent fire retardant coatings. Progress in Organic Coatings, 2018, 123, 82-98.	3.9	61
7	Thermal and pyrolysis analysis of minerals reinforced intumescent fire retardant coating. Progress in Organic Coatings, 2017, 102, 201-216.	3.9	55
8	Effects of talc on fire retarding, thermal degradation and water resistance of intumescent coating. Applied Clay Science, 2017, 146, 350-361.	5.2	52
9	A review of graphene reinforced Cu matrix composites for thermal management of smart electronics. Composites Part A: Applied Science and Manufacturing, 2021, 144, 106357.	7.6	49
10	Effect of basalt fibers dispersion on steel fire protection performance of epoxy-based intumescent coatings. Progress in Organic Coatings, 2018, 122, 229-238.	3.9	44
11	The role of multi-wall carbon nanotubes in char strength of epoxy based intumescent fire retardant coating. Journal of Analytical and Applied Pyrolysis, 2017, 124, 149-160.	5.5	41
12	Effects of cooling rate on mechanical properties and corrosion resistance of vacuum sintered powder injection molded 316L stainless steel. Journal of Materials Processing Technology, 2012, 212, 164-170.	6.3	40
13	Graphene and Iron Reinforced Polymer Composite Electromagnetic Shielding Applications: A Review. Polymers, 2021, 13, 2580.	4.5	38
14	Latest trends for structural steel protection by using intumescent fire protective coatings: a review. Surface Engineering, 2020, 36, 334-363.	2.2	36
15	Drilling Performance of Natural Fiber Reinforced Polymer Composites: A Review. Journal of Natural Fibers, 2022, 19, 4761-4779.	3.1	33
16	Effect of Inorganic Fillers on Thermal Performance and Char Morphology of Intumescent Fire Retardant Coating. Asian Journal of Scientific Research, 2013, 6, 263-271.	0.1	33
17	Effects of nano-sized boron nitride on thermal decomposition and water resistance behaviour of epoxy-based intumescent coating. Journal of Analytical and Applied Pyrolysis, 2018, 132, 171-183.	5.5	31
18	An investigation on thermal performance of wollastonite and bentonite reinforced intumescent fire-retardant coating for steel structures. Construction and Building Materials, 2019, 228, 116734.	7.2	31

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19	Quantifying the effects of basalt fibers on thermal degradation and fire performance of epoxy-based intumescent coating for fire protection of steel substrate. Progress in Organic Coatings, 2019, 132, 148-158.	3.9	30
20	The Role of Bentonite Clay on Improvement in Char Adhesion of Intumescent Fire-Retardant Coating with Steel Substrate. Arabian Journal for Science and Engineering, 2017, 42, 2043-2053.	3.0	24
21	Effect of Boric Acid with Kaolin Clay on Thermal Degradation of Intumescent Fire Retardant Coating. Journal of Applied Sciences, 2011, 11, 3645-3649.	0.3	24
22	Orientation of short fibers in powder injection molded aluminum matrix composites. Journal of Materials Processing Technology, 2005, 169, 263-269.	6.3	23
23	Performance Analysis of Enhanced 3D Printed Polymer Molds for Metal Injection Molding Process. Metals, 2018, 8, 433.	2.3	23
24	The study of adhesion between steel substrate, primer, and char of intumescent fire retardant coating. Progress in Organic Coatings, 2019, 127, 181-193.	3.9	23
25	Effects of solid loading and cooling rate on the mechanical properties and corrosion behavior of powder injection molded 316 L stainless steel. Powder Technology, 2016, 289, 135-142.	4.2	22
26	Preparation Methods for Graphene Metal and Polymer Based Composites for EMI Shielding Materials: State of the Art Review of the Conventional and Machine Learning Methods. Metals, 2021, 11, 1164.	2.3	21
27	Mechanistic Approaches of Internalization, Subcellular Trafficking, and Cytotoxicity of Nanoparticles for Targeting the Small Intestine. AAPS PharmSciTech, 2021, 22, 3.	3.3	20
28	Effect of Dolomite Clay on Thermal Performance and Char Morphology of Expandable Graphite Based Intumescent Fire Retardant Coatings. Procedia Engineering, 2016, 148, 146-150.	1.2	19
29	Effects of Halloysite Nanotube Reinforcement in Expandable Graphite Based Intumescent Fire Retardant Coatings Developed Using Hybrid Epoxy Binder System. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1286-1296.	3.8	19
30	A Review on the Kenaf Fiber Reinforced Thermoset Composites. Applied Composite Materials, 2021, 28, 491-528.	2.5	19
31	A review of processing techniques for Fe-Ni soft magnetic materials. Materials and Manufacturing Processes, 2019, 34, 1580-1604.	4.7	18
32	A Study of Bonding Mechanism of Expandable Graphite Based Intumescent Coating on Steel Substrate. Journal of Applied Sciences, 2011, 11, 1630-1635.	0.3	18
33	Effect of Titanium Oxide on Fire Performance of Intumescent Fire Retardant Coating. Advanced Materials Research, 0, 935, 224-228.	0.3	17
34	Improved fire resistance of boron nitride/epoxy intumescent coating upon minor addition of nano-alumina. Materials Chemistry and Physics, 2020, 256, 123634.	4.0	17
35	To Study the Effect of Aluminium Trihydrate and Fumed Silica on Intumescent Fire Retardant Coating. Journal of Applied Sciences, 2012, 12, 2631-2635.	0.3	17
36	Investigation of Rheological Behavior of Low Pressure Injection Molded Stainless Steel Feedstocks. Advances in Materials Science and Engineering, 2016, 2016, 1-9.	1.8	16

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37	Determining the effects of thermal conductivity on epoxy molds using profiled cooling channels with metal inserts. Journal of Mechanical Science and Technology, 2016, 30, 4901-4907.	1.5	14
38	Binder Removal from Powder Injection Molded 316L Stainless Steel. Journal of Applied Sciences, 2011, 11, 2042-2047.	0.3	14
39	Enhancing the Char Resistant of Expandable Graphite Based Intumescent Fire Retardant Coatings by Using Multi-Wall Carbon Nano Tubes for Structural Steel. Solid State Phenomena, 0, 185, 90-93.	0.3	13
40	A Review of Flax Fiber Reinforced Thermoset Polymer Composites: Thermal-Physical Properties, Improvements and Application. Journal of Natural Fibers, 2022, 19, 10412-10430.	3.1	13
41	Effect of expandable graphite and ammonium polyphosphate on the thermal degradation and weathering of intumescent <scp>fireâ€retardant</scp> coating. Journal of Applied Polymer Science, 2021, 138, 50310.	2.6	12
42	Fabrication, Evaluation, In Vivo Pharmacokinetic and Toxicological Analysis of pH-Sensitive Eudragit S-100-Coated Hydrogel Beads: a Promising Strategy for Colon Targeting. AAPS PharmSciTech, 2021, 22, 209.	3.3	12
43	Role of Debinding to Control Mechanical Properties of Powder Injection Molded 316L Stainless Steel. Advanced Materials Research, 2013, 699, 875-882.	0.3	10
44	Influence of powder loading on rheology and injection molding of Fe-50Ni feedstocks. Materials and Manufacturing Processes, 2020, 35, 579-589.	4.7	9
45	Synergistic effects of hybrid nanofillers on graphene oxide reinforced epoxy coating on corrosion resistance and fire retardancy. Journal of Applied Polymer Science, 2022, 139, 51640.	2.6	9
46	A Review of Flax Fiber Reinforced Thermoset Polymer Composites: Structure and Mechanical Performance. Journal of Natural Fibers, 2022, 19, 9656-9680.	3.1	9
47	The Effect of Wollastonite Filler on Thermal Performance of Intumescent Fire Retardant Coating. Advanced Materials Research, 0, 970, 328-331.	0.3	8
48	Char Strength of Wool Fibre Reinforced Epoxy-Based Intumescent Coatings (FRIC). Advanced Materials Research, 2012, 626, 504-508.	0.3	7
49	Homogeneous Distribution of Carbon Nanotubes in Copper Matrix Nanocomposites Fabricated via Combined Technique. Nanoscience and Nanotechnology Letters, 2014, 6, 865-874.	0.4	7
50	Flow Behavior of Cu/CNTs Feedstocks for Powder Injection Molding. International Journal of Applied Physics and Mathematics, 2011, , 199-202.	0.3	7
51	Rheological Behavior of Carbon Nanotubes / Copper Feedstocks for Metal Injection Molding. Advanced Materials Research, 2011, 403-408, 5335-5340.	0.3	6
52	Synergistic effect of basalt fiber on the thermal properties of intumescent fire retardant coating. Materials Today: Proceedings, 2019, 16, 2030-2038.	1.8	6
53	Nanoscale Dispersion of Carbon Nanotubes in Copper Matrix Nanocomposites for Thermal Management Applications. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 248-252.	0.3	6
54	Development of nanocomposites heat sink (MWCNTs/Cu) using powder injection moulding for electronic applications. , 2011, , .		5

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55	The Synergistic Effect of Thiourea and Surfactants on Corrosion Inhibition of Stainless Steel-316 in Hydrochloric Acid. Advanced Materials Research, 0, 917, 28-34.	0.3	5
56	Effect of Kaolin Clay and Alumina on Thermal Performance and Char Morphology of Intumescent fire retardant coating. MATEC Web of Conferences, 2014, 13, 04013.	0.2	5
57	Investigation of Boron Addition on Densification and Cytotoxicity of Powder Injection Molded 316L Stainless Steel Dental Materials. Arabian Journal for Science and Engineering, 2016, 41, 4669-4681.	1.1	5
58	Investigation of boron effect on the densification of Fe-50%Ni soft magnetic alloys produced by powder metallurgy route. Materials Today: Proceedings, 2019, 16, 2210-2218.	1.8	5
59	Effects of expandable graphite on char morphology and pyrolysis of epoxy based intumescent fireâ€retardant coating. Journal of Applied Polymer Science, 2021, 138, 51206.	2.6	5
60	Thermal performance of alumina filler reinforced intumescent fire retardant coating for structural application. IOP Conference Series: Materials Science and Engineering, 2014, 60, 012023.	0.6	4
61	Effect of dispersing agent on the thermal properties of basalt fibre reinforced intumescent coating. AIP Conference Proceedings, 2018, , .	0.4	4
62	Carbon Nanotubes Reinforced Copper Matrix Nanocomposites via Metal Injection Molding Technique. Journal of Applied Sciences, 2012, 12, 2397-2403.	0.3	4
63	Mechanical Properties and Failure Mechanisms of Novel Resin-infused Thermoplastic and Conventional Thermoset 3D Fabric Composites. Applied Composite Materials, 2022, 29, 515-545.	2.5	4
64	Effects of Admixed Titanium on Densification of 316L Stainless Steel Powder during Sintering. MATEC Web of Conferences, 2014, 13, 04026.	0.2	3
65	Fire performance, microstructure and thermal degradation of an epoxy based nano intumescent fire retardant coating for structural applications. AIP Conference Proceedings, 2015, , .	0.4	3
66	Synergistic effects of tubular halloysite clay and zirconium phosphate on thermal behavior of intumescent coating for structural steel. Journal of Materials Research and Technology, 2022, 18, 4456-4469.	5.8	3
67	Fabrication and Microstructural Analysis of CNTs Reinforced Copper Matrix Nanocomposites via MIM Technique. Applied Mechanics and Materials, 0, 459, 11-17.	0.2	2
68	Development and Testing of Intumescent Fire Retardant Coating on Various Structural Geometries. Applied Mechanics and Materials, 0, 699, 360-365.	0.2	2
69	Thermal performance of glass fiber reinforced intumescent fire retardant coating for structural applications. AIP Conference Proceedings, 2015, , .	0.4	2
70	Effects of Residual Carbon on Microstructure and Surface Roughness of PIM 316L Stainless Steel. , 2015, , 927-935.		2
71	Intumescent flame retardant coating based graphene oxide and halloysite nanotubes. Materials Today: Proceedings, 2022, 51, 1288-1292.	1.8	2
72	A Numerical Analysis for Predicting the Thermal Conductivity of Carbon Nanotube Reinforced Copper-Matrix Nanocomposites. MATEC Web of Conferences, 2014, 13, 04011.	0.2	1

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73	The effect of 150Î¼m expandable graphite on char expansion of intumescent fire retardant coating. , 2014, , .		1
74	Shear controlled alignment of short carbon fibers in copper matrix composite green samples produced by powder injection molding. AIP Conference Proceedings, 2015, , .	0.4	1
75	Nano Filler Reinforced Intumescent Fire Retardant Coating for Protection of Structural Steel. , 2015, , 831-844.		1
76	Microstructure and surface characterization of Ni-Cr based composites containing variable solid lubricants. Tribology - Materials, Surfaces and Interfaces, 2020, 14, 219-228.	1.4	1
77	Flow properties of Cu/CNTs feedstocks. , 2011, , .		0
78	Experimental Preparation and Numerical Simulation of High Thermal Conductive Cu/CNTs Nanocomposites. MATEC Web of Conferences, 2014, 13, 04028.	0.2	0
79	Effects of mold geometry on fiber orientation of powder injection molded metal matrix composites. AIP Conference Proceedings, 2015, , .	0.4	0
80	Nano-silica effect on the poly (1, 8-octanediol citrate) composite properties for bone plate application. AIP Conference Proceedings, 2018, , .	0.4	0
81	Fabrication of high magnetic performance Feâ€“50Ni alloy by powder injection molding. Materials and Manufacturing Processes, 2020, 35, 1557-1566.	4.7	0