

Mohd Nasir Tamin

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Mechanics of solder/IMC interface of lead-free solder interconnects in ball grid array assembly. <i>Journal of Mechanical Engineering and Sciences</i> , 2022, 16, 8718-8729.	0.6	1
2	Effect of substrate roughness and PVD deposition temperatures on hardness and wear performance of AlCrN-coated WC-Co. <i>Surface and Coatings Technology</i> , 2022, 436, 128304.	4.8	11
3	Water-Cement Ratio on High-Cycle Fatigue in the Theory of Critical Distances of Plain Concrete. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 4281-4290.	1.9	1
4	Exploiting fractal features to determine fatigue crack growth rates of metallic materials. <i>Engineering Fracture Mechanics</i> , 2022, 270, 108589.	4.3	4
5	Linear-Nonlinear Stiffness Responses of Carbon Fiber-Reinforced Polymer Composite Materials and Structures: A Numerical Study. <i>Polymers</i> , 2021, 13, 344.	4.5	16
6	Fractal Dimensions of a Propagating Fatigue Crack in Metallic Materials. <i>Journal of Failure Analysis and Prevention</i> , 2021, 21, 1644-1651.	0.9	5
7	An Extended Thickness-Dependent Moisture Absorption Model for Unidirectional Carbon/Epoxy Composites. <i>Polymers</i> , 2021, 13, 440.	4.5	5
8	Representative Cell Analysis for Damage-Based Failure Model of Polymer Hexagonal Honeycomb Structure under the Out-of-Plane Loadings. <i>Polymers</i> , 2021, 13, 52.	4.5	26
9	Moisture Absorption Effects on Mode II Delamination of Carbon/Epoxy Composites. <i>Polymers</i> , 2020, 12, 2162.	4.5	21
10	Moisture absorption effects on the mechanical properties of carbon/epoxy composites. <i>International Journal of Structural Integrity</i> , 2020, 11, 605-614.	3.3	13
11	Residual Properties of the Drawn Steel Wires for Damage-Based Fretting Fatigue Models of the Wire Ropes. <i>Materials Science Forum</i> , 2020, 1010, 71-78.	0.3	0
12	Effect of strain-rate and moisture content on the mechanical properties of adhesively bonded joints. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 1837-1845.	1.5	6
13	Effects of cell aspect ratio and relative density on deformation response and failure of honeycomb core structure. <i>Materials Research Express</i> , 2020, 7, 015332.	1.6	8
14	An Energy-Based Concept for Yielding of Multidirectional FRP Composite Structures Using a Mesoscale Lamina Damage Model. <i>Polymers</i> , 2020, 12, 157.	4.5	48
15	Effects of Starter Defect on Energy Release Rate of Three-Point End-Notch Flexure Tested Unidirectional Carbon Fiber Reinforced Polymer Composite. <i>Polymers</i> , 2020, 12, 904.	4.5	1
16	Numerical Investigation of 1 Å– 7 Steel Wire Strand under Fretting Fatigue Condition. <i>Materials</i> , 2019, 12, 3463.	2.9	7
17	Nano-Level Damage Characterization of Graphene/Polymer Cohesive Interface under Tensile Separation. <i>Polymers</i> , 2019, 11, 1435.	4.5	28
18	Fatigue damage of cohesive interfaces in fiber-reinforced polymer composite laminates. <i>Composites Science and Technology</i> , 2019, 183, 107779.	7.8	29

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19	Assessment of Compressive Mechanical Behavior of Bis-GMA Polymer Using Hyperelastic Models. <i>Polymers</i> , 2019, 11, 1571.	4.5	11
20	Fatigue assessment of steel wire rope. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
21	FE model-based construction and progressive damage processes of FRP composite laminates with different manufacturing processes. <i>International Journal of Mechanical Sciences</i> , 2018, 141, 223-235.	6.7	56
22	Mass Migration Damaged Based Model and the Behaviour of Electromigration and Thermomigration in Interconnect. , 2018, , .		0
23	Effects of Sample and Indenter Configurations of Nanoindentation Experiment on the Mechanical Behavior and Properties of Ductile Materials. <i>Metals</i> , 2018, 8, 421.	2.3	21
24	Mode-II interlaminar fracture and crack-jump phenomenon in CFRP composite laminate materials. <i>Composite Structures</i> , 2018, 204, 594-606.	5.8	31
25	Optimization of formaldehyde concentration on electroless copper deposition on alumina surface. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
26	Rate-dependent degradation of moisture- absorbed adhesive joints. , 2017, , .		0
27	Methodology for extracting interface damage properties of FRP composite laminates under cyclic shear loading conditions. , 2017, , .		1
28	Rate-dependent responses of electroless plated and sputtered copper layer during nanoindentation loading. , 2016, , .		1
29	Moisture Effects on Patch Bonded Composite Repairs. <i>Key Engineering Materials</i> , 2016, 709, 3-6.	0.4	5
30	Prediction of plastic deformation under contact condition by quasi-static and dynamic simulations using explicit finite element analysis. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 5093-5101.	1.5	14
31	Preparation and characterization of a nigerian mesoporous clay-based membrane for uranium removal from underground water. <i>Ceramics International</i> , 2016, 42, 8212-8220.	4.8	19
32	Fatigue characteristics of dual-phase steel sheets. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 51-57.	1.5	14
33	Finite element analysis of stress intensity factor of pre-cracked coated substrate under contact sliding. , 2014, , .		2
34	Finite Element Simulation of Ductile Failure Process of Spot Welded Joint under Tensile Loading. <i>Applied Mechanics and Materials</i> , 2014, 660, 623-627.	0.2	0
35	Characteristics of Adhesive Joints under Rate-Dependent Tensile Loading. <i>Applied Mechanics and Materials</i> , 2014, 660, 618-622.	0.2	1
36	Cyclic Cohesive Zone Model for Simulation of Fatigue Failure Process in Adhesive Joints. <i>Applied Mechanics and Materials</i> , 2014, 606, 217-221.	0.2	3

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37	Material Parameters for Creep Rupture of Austenitic Stainless Steel Foils. Journal of Materials Engineering and Performance, 2014, 23, 2858-2863.	2.5	5
38	Modified Monkman-Grant relationship for austenitic stainless steel foils. Journal of Nuclear Materials, 2013, 433, 74-79.	2.7	19
39	Large Strain Shear Compression Test of Sheet Metal Specimens. Experimental Mechanics, 2013, 53, 1449-1460.	2.0	5
40	A new direction in computational fracture mechanics in materials science: Will the combination of probabilistic and fractal fracture mechanics become mainstream?. Computational Materials Science, 2013, 69, 197-203.	3.0	8
41	Development of vapor pressure in FR4-copper composite material during solder reflow process. , 2012, , .		0
42	Ductile Failure Prediction of Spot Welded Lap Joint. Applied Mechanics and Materials, 2012, 165, 285-289.	0.2	3
43	Fatigue failure processes in Pb-free solder joints using continuum damage and cohesive zone models. , 2012, , .		1
44	Tensile behaviour of anti-symmetric CFRP composite. Procedia Engineering, 2011, 10, 1865-1870.	1.2	7
45	Effects of Thermal Aging on Ductile-to-Brittle Transition Temperature Behavior of Welded A516 Steel. Key Engineering Materials, 2011, 462-463, 1379-1384.	0.4	0
46	Creep Deformation Characteristics of Austenitic Stainless Steel Foils. Key Engineering Materials, 2011, 462-463, 906-911.	0.4	4
47	Damage Mechanics Model for Solder/Intermetallics Interface Fracture Process in Solder Joints. Key Engineering Materials, 2011, 462-463, 1409-1414.	0.4	1
48	Effects of Prosthesis Stem Tapers on Stress Distribution of Cemented Hip Arthroplasty. , 2010, , .		1
49	Hybrid Experimental-Computational Approach for Solder/IMC Interface Shear Strength Determination in Solder Joints. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 614-620.	1.3	7
50	Damage mechanics of solder/IMC interface fracture in Pb-free solder interconnects. , 2009, , .		2
51	Damage Mechanics Model for Interface Fracture Process in Solder Interconnects. , 2008, , .		2
52	Mechanics of Sn-4Ag-0.5Cu solder joints in a ball grid array assembly during reflow and temperature cycles. , 2008, , .		3
53	Solder Joint Fatigue in a Surface Mount Assembly Subjected to Mechanical Loading. IEEE Transactions on Components and Packaging Technologies, 2007, 30, 824-829.	1.3	21
54	Title is missing!. Journal of Materials Science, 2002, 37, 1107-1113.	3.7	10

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55	Fatigue Damage Mechanisms of Bridging Fibers in Titanium Metal Matrix Composites1. Journal of Engineering Materials and Technology, Transactions of the ASME, 2000, 122, 370-375.	1.4	3
56	Finite Element Analysis of Corroded Truck Chassis Using Sub Modeling Technique. Applied Mechanics and Materials, 0, 110-116, 2411-2415.	0.2	2
57	Mechanics of Composite Delamination under Flexural Loading. Key Engineering Materials, 0, 462-463, 726-731.	0.4	19
58	Effect of Pitting Corrosion on Strength of AISI 410 Stainless Steel Compressor Blades. Applied Mechanics and Materials, 0, 606, 227-231.	0.2	7
59	R-Curve Modelling of Mode I Delamination in Multidirectional Carbon/Epoxy Composite Laminates. Applied Mechanics and Materials, 0, 606, 159-163.	0.2	3
60	Interlaminar Damage Behavior of CFRP Composite Laminates under Cyclic Shear Loading Conditions. Advanced Materials Research, 0, 1125, 121-125.	0.3	1
61	Characterisation of Moisture Absorption Effects on the Strength of Composite Materials. Advanced Materials Research, 0, 1125, 69-73.	0.3	8