Tamer A Sebaey

List of Publications by Year
in descending order

71	1,838	218381	301761
papers	citations	26 h-index	39 g-index

75	75	75	1174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analytical solution for static and dynamic analysis of FGP cylinders integrated with FG-GPLs patches exposed to longitudinal magnetic field. Engineering With Computers, 2022, 38, 2447-2465.	3.5	6
2	On the asymmetric thermal stability of FGM annular plates reinforced with graphene nanoplatelets. Engineering With Computers, 2022, 38, 4569-4581.	3.5	5
3	High Content of Siliconized MWCNTs and Cobalt Nanowire with E-Glass/Kenaf Fibers as Promising Reinforcement for EMI Shielding Material. Silicon, 2022, 14, 719-729.	1.8	17
4	Microwave shielding performance of TiO2/Co/GF containing high structure carbon fiber alternate laminate composite. Journal of Materials Science: Materials in Electronics, 2022, 33, 934-949.	1.1	12
5	Crashworthiness of GFRP composite tubes after aggressive environmental aging in seawater and soil. Composite Structures, 2022, 284, 115105.	3.1	6
6	Instability and post-instability examination due to the buckling of rotating nanocomposite beams in thermal ambient. International Journal of Mechanics and Materials in Design, 2022, 18, 87-103.	1.7	2
7	Effect of Prosopis Juliflora Thorns on Mechanical Properties of Plastic Waste Reinforced Epoxy Composites. Polymers, 2022, 14, 1278.	2.0	4
8	A Review on Reductions in the Stress-Intensity Factor of Cracked Plates Using Bonded Composite Patches. Materials, 2022, 15, 3086.	1.3	7
9	A Review on the Effect of Fabric Reinforcement on Strength Enhancement of Natural Fiber Composites. Materials, 2022, 15, 3025.	1.3	11
10	Effect of Embedded Thin-Plies on the Charpy Impact Properties of CFRP Composites. Polymers, 2022, 14, 1929.	2.0	3
11	Effects of halloysite clay nanotubes on the energy absorption and failure mechanisms of glass/epoxy composite tubes subjected to quasiâ€static axial crushing. Polymer Composites, 2022, 43, 7099-7117.	2.3	11
12	Bearing Properties of CFRP Composite Laminates Containing Spread-Tow Thin-Plies. Polymers, 2022, 14, 2076.	2.0	3
13	Effect of Different Pre-Treatment on the Microstructure and Intumescent Properties of Rice Husk Ash-Based Geopolymer Hybrid Coating. Polymers, 2022, 14, 2252.	2.0	10
14	Development of efficient energy absorption components for crashworthiness applications: An experimental study. Polymers for Advanced Technologies, 2022, 33, 2921-2942.	1.6	23
15	Comparison of progressive damage between thermoset and thermoplastic CFRP composites under in-situ tensile loading. Journal of Composite Materials, 2021, 55, 1473-1484.	1.2	6
16	Internally stiffened foam-filled carbon fiber reinforced composite tubes under impact loading for energy absorption applications. Composite Structures, 2021, 255, 112910.	3.1	48
17	Underwater friction stir welding of Al-Mg alloy: Thermo-mechanical modeling and validation. Materials Today Communications, 2021, 26, 101965.	0.9	31
18	Stabilization of expansive soil using hydrophobic polyurethane foam: A review. Transportation Geotechnics, 2021, 27, 100494.	2.0	23

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19	Optimization of wire electrical discharge turning process: trade-off between production rate and fatigue life. International Journal of Advanced Manufacturing Technology, 2021, 112, 719-730.	1.5	6
20	Measurement and evaluation of magnetic field assistance on fatigue life and surface characterization of Inconel 718 alloy processed by dry electrical discharge turning. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108578.	2.5	5
21	Modelling the longitudinal failure of fibre-reinforced composites at microscale. , 2021, , 349-378.		2
22	Fibre Alignment and Void Assessment in Thermoplastic Carbon Fibre Reinforced Polymers Manufactured by Automated Tape Placement. Polymers, 2021, 13, 473.	2.0	10
23	Electromagnetic shielding behavior of epoxy multiâ€hybrid composites comprises of Eâ€glass fiber, Ag nanoparticle, and Ni nanosheet: A novel approach. Polymer Composites, 2021, 42, 2484-2491.	2.3	39
24	A Novel Application of the Hydrophobic Polyurethane Foam: Expansive Soil Stabilization. Polymers, 2021, 13, 1335.	2.0	11
25	In-plane stress analysis of multiple parallel cracks in an orthotropic FGM medium under time-harmonic loading. Theoretical and Applied Fracture Mechanics, 2021, 113, 102936.	2.1	3
26	On the dynamics of FG-GPLRC sandwich cylinders based on an unconstrained higher-order theory. Composite Structures, 2021, 267, 113879.	3.1	43
27	Thermo-mechanical buckling analysis of FG-GNPs reinforced composites sandwich microplates using a trigonometric four-variable shear deformation theory. Case Studies in Thermal Engineering, 2021, 26, 101120.	2.8	7
28	Analytical study of the damping vibration behavior of the metal foam nanocomposite plates reinforced with graphene oxide powders in thermal environments. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	12
29	High content silver/zinc oxide nanoparticle and cobalt nanowire in Caryota urens fibre-epoxy composites for enhanced microwave shielding. Journal of Magnetism and Magnetic Materials, 2021, 536, 168118.	1.0	32
30	Forced vibration characteristics of embedded graphene oxide powder reinforced metal foam nanocomposite plate in thermal environment. Case Studies in Thermal Engineering, 2021, 27, 101167.	2.8	26
31	Forced resonance vibration analysis in advanced polymeric nanocomposite plate surrounded by an elastic medium. Composite Structures, 2021, 275, 114389.	3.1	3
32	Free vibrations of rotating CNTRC beams in thermal environment. Case Studies in Thermal Engineering, 2021, 28, 101355.	2.8	11
33	Experimental investigation of the three-point bending properties of sandwich beams with polyurethane foam-filled lattice cores. Structures, 2020, 28, 424-432.	1.7	58
34	Thermal buckling of laminated Nano-Composite conical shell reinforced with graphene platelets. Thin-Walled Structures, 2020, 155, 106913.	2.7	32
35	Elastic Wave Characteristics of Graphene Reinforced Polymer Nanocomposite Curved Beams Including Thickness Stretching Effect. Polymers, 2020, 12, 2194.	2.0	6
36	Effect of Exposure Temperature on the Crashworthiness of Carbon/Epoxy Composite Rectangular Tubes Under Quasi-Static Compression. Polymers, 2020, 12, 2028.	2.0	13

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37	Computational micromechanics of the effect of fibre misalignment on the longitudinal compression and shear properties of UD fibre-reinforced plastics. Composite Structures, 2020, 248, 112487.	3.1	19
38	Post-impact flexural behavior of carbon-aramid/epoxy hybrid composites. Composite Structures, 2020, 239, 112022.	3.1	56
39	On the Manufacturing Defects of Thermoplastic Carbon/Epoxy Composites Manufactured by Automated Tape Placement. , 2020, , .		0
40	An algorithm for the generation of three-dimensional statistically Representative Volume Elements of unidirectional fibre-reinforced plastics: Focusing on the fibres waviness. Composite Structures, 2019, 227, 111272.	3.1	17
41	Design of Oil and Gas Composite Pipes for Energy Production. Energy Procedia, 2019, 162, 146-155.	1.8	31
42	A microscale integrated approach to measure and model fibre misalignment in fibre-reinforced composites. Composites Science and Technology, 2019, 183, 107793.	3.8	26
43	Flexural properties of notched carbonâ€“aramid hybrid composite laminates. Journal of Composite Materials, 2019, 53, 4137-4148.	1.2	23
44	Experimental verification of a progressive damage model for composite pinned-joints with different clearances. International Journal of Mechanical Sciences, 2019, 152, 481-491.	3.6	24
45	On the indentation of elastoplastic functionally graded materials. Mechanics of Materials, 2019, 129, 169-188.	1.7	26
46	Crashworthiness characteristics of carbonâ€“juteâ€“glass reinforced epoxy composite circular tubes. Polymer Composites, 2018, 39, E2245.	2.3	58
47	Crushing behavior of a unit cell of CFRP lattice core for sandwich structuresâ€™ application. Thin-Walled Structures, 2017, 116, 91-95.	2.7	34
48	Filler strengthening of foam-filled energy absorption devices using CFRP beams. Composite Structures, 2017, 160, 1-7.	3.1	18
49	Experimental investigation on the compressibility of Al/Al<SUB align="right">2O<SUB align="right">3 nanocomposites. International Journal of Materials and Product Technology, 2016, 52, 312.	0.1	55
50	Using thin-plies to improve the damage resistance and tolerance of aeronautical CFRP composites. Composites Part A: Applied Science and Manufacturing, 2016, 86, 31-38.	3.8	62
51	Crashworthiness of pre-impacted glass/epoxy composite tubes. International Journal of Impact Engineering, 2016, 92, 18-25.	2.4	37
52	The effect of fiber orientation on the energy absorption capability of axially crushed composite tubes. Materials & Design, 2014, 56, 923-928.	5.1	87
53	An experimental investigation into crushing behavior of radially stiffened GFRP composite tubes. Thin-Walled Structures, 2014, 76, 8-13.	2.7	45
54	Crushing behavior of hybrid hexagonal/octagonal cellular composite system: All made of carbon fiber reinforced epoxy. Materials & Design, 2014, 60, 556-562.	5.1	22

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55	Measurement of the in situ transverse tensile strength of composite plies by means of the real time monitoring of microcracking. Composites Part B: Engineering, 2014, 65, 40-46.	5.9	49
56	Behavior of pyramidal lattice core sandwich CFRP composites under biaxial compression loading. Composite Structures, 2014, 116, 67-74.	3.1	30
57	Crushing behavior of hybrid hexagonal/octagonal cellular composite system: Aramid/carbon hybrid composite. Materials & Design, 2014, 63, 6-13.	5.1	45
58	Damage resistance and damage tolerance of dispersed CFRP laminates: The bending stiffness effect. Composite Structures, 2013, 106, 30-32.	3.1	14
59	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of the mismatch angle between plies. Composite Structures, 2013, 101, 255-264.	3.1	90
60	Two-pheromone Ant Colony Optimization to design dispersed laminates for aeronautical structural applications. Advances in Engineering Software, 2013, 66, 10-18.	1.8	6
61	Failure and reliability analysis of pinned-joints composite laminates: Effects of stacking sequences. Composites Part B: Engineering, 2013, 45, 1694-1703.	5.9	71
62	Damage resistance and damage tolerance of dispersed CFRP laminates: Design and optimization. Composite Structures, 2013, 95, 569-576.	3.1	48
63	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of ply clustering. Composite Structures, 2013, 106, 96-103.	3.1	57
64	Experimental and numerical analysis of pinned-joints composite laminates: Effects of stacking sequences. Journal of Composite Materials, 2013, 47, 3353-3366.	1.2	32
65	Failure and reliability analysis of pinned-joint composite laminates: Effects of pinâ€“hole clearance. Journal of Composite Materials, 2013, 47, 2287-2298.	1.2	12
66	Characterization of crack propagation in mode I delamination of multidirectional CFRP laminates. Composites Science and Technology, 2012, 72, 1251-1256.	3.8	91
67	Numerical investigation to prevent crack jumping in Double Cantilever Beam tests of multidirectional composite laminates. Composites Science and Technology, 2011, 71, 1587-1592.	3.8	45
68	Ant Colony Optimization for dispersed laminated composite panels under biaxial loading. Composite Structures, 2011, 94, 31-36.	3.1	43
69	Crushing Behavior of Hybrid Composite Fuselage-Shape Tubes. Applied Mechanics and Materials, 0, 564, 329-334.	0.2	2
70	Assessment of Effectiveness of Date Palm Fibers in Foam Filled CFRP Energy Absorption Devices. Key Engineering Materials, 0, 735, 83-88.	0.4	3
71	Two Pheromone Ant Colony Multiobjective Optimization to Design Dispersed Laminates for Structural Applications. , 0, , .		0