

Tamer A Sebaey

List of Publications by Year in descending order

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71
papers

1,838
citations

218381

26
h-index

301761

39
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75
all docs

75
docs citations

75
times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of crack propagation in mode I delamination of multidirectional CFRP laminates. Composites Science and Technology, 2012, 72, 1251-1256.	3.8	91
2	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
3	The effect of fiber orientation on the energy absorption capability of axially crushed composite tubes. Materials & Design, 2014, 56, 923-928.	5.1	87
4	Failure and reliability analysis of pinned-joints composite laminates: Effects of stacking sequences. Composites Part B: Engineering, 2013, 45, 1694-1703.	5.9	71
5	Using thin-ply 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
6	Crashworthiness characteristics of carbon-jute-glass reinforced epoxy composite circular tubes. Polymer Composites, 2018, 39, E2245.	2.3	58
7	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
8	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of ply clustering. Composite Structures, 2013, 106, 96-103.	3.1	57
9	Post-impact flexural behavior of carbon-aramid/epoxy hybrid composites. Composite Structures, 2020, 239, 112022.	3.1	56
10	Experimental investigation on the compressibility of Al/Al₂O₃ nanocomposites. International Journal of Materials and Product Technology, 2016, 52, 312.	0.1	55
11	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
12	Damage resistance and damage tolerance of dispersed CFRP laminates: Design and optimization. Composite Structures, 2013, 95, 569-576.	3.1	48
13	Internally stiffened foam-filled carbon fiber reinforced composite tubes under impact loading for energy absorption applications. Composite Structures, 2021, 255, 112910.	3.1	48
14	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
15	An experimental investigation into crushing behavior of radially stiffened GFRP composite tubes. Thin-Walled Structures, 2014, 76, 8-13.	2.7	45
16	Crushing behavior of hybrid hexagonal/octagonal cellular composite system: Aramid/carbon hybrid composite. Materials & Design, 2014, 63, 6-13.	5.1	45
17	Ant Colony Optimization for dispersed laminated composite panels under biaxial loading. Composite Structures, 2011, 94, 31-36.	3.1	43
18	On the dynamics of FG-GPLRC sandwich cylinders based on an unconstrained higher-order theory. Composite Structures, 2021, 267, 113879.	3.1	43

#	ARTICLE	IF	CITATIONS
19	Electromagnetic shielding behavior of epoxy multi-hybrid composites comprises of E-glass fiber, Ag nanoparticle, and Ni nanosheet: A novel approach. <i>Polymer Composites</i> , 2021, 42, 2484-2491.	2.3	39
20	Crashworthiness of pre-impacted glass/epoxy composite tubes. <i>International Journal of Impact Engineering</i> , 2016, 92, 18-25.	2.4	37
21	Crushing behavior of a unit cell of CFRP lattice core for sandwich structures™ application. <i>Thin-Walled Structures</i> , 2017, 116, 91-95.	2.7	34
22	Experimental and numerical analysis of pinned-joints composite laminates: Effects of stacking sequences. <i>Journal of Composite Materials</i> , 2013, 47, 3353-3366.	1.2	32
23	Thermal buckling of laminated Nano-Composite conical shell reinforced with graphene platelets. <i>Thin-Walled Structures</i> , 2020, 155, 106913.	2.7	32
24	High content silver/zinc oxide nanoparticle and cobalt nanowire in Caryota urens fibre-epoxy composites for enhanced microwave shielding. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 536, 168118.	1.0	32
25	Design of Oil and Gas Composite Pipes for Energy Production. <i>Energy Procedia</i> , 2019, 162, 146-155.	1.8	31
26	Underwater friction stir welding of Al-Mg alloy: Thermo-mechanical modeling and validation. <i>Materials Today Communications</i> , 2021, 26, 101965.	0.9	31
27	Behavior of pyramidal lattice core sandwich CFRP composites under biaxial compression loading. <i>Composite Structures</i> , 2014, 116, 67-74.	3.1	30
28	A microscale integrated approach to measure and model fibre misalignment in fibre-reinforced composites. <i>Composites Science and Technology</i> , 2019, 183, 107793.	3.8	26
29	On the indentation of elastoplastic functionally graded materials. <i>Mechanics of Materials</i> , 2019, 129, 169-188.	1.7	26
30	Forced vibration characteristics of embedded graphene oxide powder reinforced metal foam nanocomposite plate in thermal environment. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101167.	2.8	26
31	Experimental verification of a progressive damage model for composite pinned-joints with different clearances. <i>International Journal of Mechanical Sciences</i> , 2019, 152, 481-491.	3.6	24
32	Flexural properties of notched carbon-aramid hybrid composite laminates. <i>Journal of Composite Materials</i> , 2019, 53, 4137-4148.	1.2	23
33	Stabilization of expansive soil using hydrophobic polyurethane foam: A review. <i>Transportation Geotechnics</i> , 2021, 27, 100494.	2.0	23
34	Development of efficient energy absorption components for crashworthiness applications: An experimental study. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2921-2942.	1.6	23
35	Crushing behavior of hybrid hexagonal/octagonal cellular composite system: All made of carbon fiber reinforced epoxy. <i>Materials & Design</i> , 2014, 60, 556-562.	5.1	22
36	Computational micromechanics of the effect of fibre misalignment on the longitudinal compression and shear properties of UD fibre-reinforced plastics. <i>Composite Structures</i> , 2020, 248, 112487.	3.1	19

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37	Filler strengthening of foam-filled energy absorption devices using CFRP beams. <i>Composite Structures</i> , 2017, 160, 1-7.	3.1	18
38	An algorithm for the generation of three-dimensional statistically Representative Volume Elements of unidirectional fibre-reinforced plastics: Focusing on the fibres waviness. <i>Composite Structures</i> , 2019, 227, 111272.	3.1	17
39	High Content of Siliconized MWCNTs and Cobalt Nanowire with E-Glass/Kenaf Fibers as Promising Reinforcement for EMI Shielding Material. <i>Silicon</i> , 2022, 14, 719-729.	1.8	17
40	Damage resistance and damage tolerance of dispersed CFRP laminates: The bending stiffness effect. <i>Composite Structures</i> , 2013, 106, 30-32.	3.1	14
41	Effect of Exposure Temperature on the Crashworthiness of Carbon/Epoxy Composite Rectangular Tubes Under Quasi-Static Compression. <i>Polymers</i> , 2020, 12, 2028.	2.0	13
42	Failure and reliability analysis of pinned-joint composite laminates: Effects of pin-hole clearance. <i>Journal of Composite Materials</i> , 2013, 47, 2287-2298.	1.2	12
43	Analytical study of the damping vibration behavior of the metal foam nanocomposite plates reinforced with graphene oxide powders in thermal environments. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	12
44	Microwave shielding performance of TiO ₂ /Co/GF containing high structure carbon fiber alternate laminate composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 934-949.	1.1	12
45	A Novel Application of the Hydrophobic Polyurethane Foam: Expansive Soil Stabilization. <i>Polymers</i> , 2021, 13, 1335.	2.0	11
46	Free vibrations of rotating CNTRC beams in thermal environment. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101355.	2.8	11
47	A Review on the Effect of Fabric Reinforcement on Strength Enhancement of Natural Fiber Composites. <i>Materials</i> , 2022, 15, 3025.	1.3	11
48	Effects of halloysite clay nanotubes on the energy absorption and failure mechanisms of glass/epoxy composite tubes subjected to quasi-static axial crushing. <i>Polymer Composites</i> , 2022, 43, 7099-7117.	2.3	11
49	Fibre Alignment and Void Assessment in Thermoplastic Carbon Fibre Reinforced Polymers Manufactured by Automated Tape Placement. <i>Polymers</i> , 2021, 13, 473.	2.0	10
50	Effect of Different Pre-Treatment on the Microstructure and Intumescent Properties of Rice Husk Ash-Based Geopolymer Hybrid Coating. <i>Polymers</i> , 2022, 14, 2252.	2.0	10
51	Thermo-mechanical buckling analysis of FG-GNPs reinforced composites sandwich microplates using a trigonometric four-variable shear deformation theory. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101120.	2.8	7
52	A Review on Reductions in the Stress-Intensity Factor of Cracked Plates Using Bonded Composite Patches. <i>Materials</i> , 2022, 15, 3086.	1.3	7
53	Two-phormone Ant Colony Optimization to design dispersed laminates for aeronautical structural applications. <i>Advances in Engineering Software</i> , 2013, 66, 10-18.	1.8	6
54	Elastic Wave Characteristics of Graphene Reinforced Polymer Nanocomposite Curved Beams Including Thickness Stretching Effect. <i>Polymers</i> , 2020, 12, 2194.	2.0	6

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55	Comparison of progressive damage between thermoset and thermoplastic CFRP composites under in-situ tensile loading. <i>Journal of Composite Materials</i> , 2021, 55, 1473-1484.	1.2	6
56	Optimization of wire electrical discharge turning process: trade-off between production rate and fatigue life. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 719-730.	1.5	6
57	Analytical solution for static and dynamic analysis of FGP cylinders integrated with FG-GPLs patches exposed to longitudinal magnetic field. <i>Engineering With Computers</i> , 2022, 38, 2447-2465.	3.5	6
58	Crashworthiness of GFRP composite tubes after aggressive environmental aging in seawater and soil. <i>Composite Structures</i> , 2022, 284, 115105.	3.1	6
59	Measurement and evaluation of magnetic field assistance on fatigue life and surface characterization of Inconel 718 alloy processed by dry electrical discharge turning. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108578.	2.5	5
60	On the asymmetric thermal stability of FGM annular plates reinforced with graphene nanoplatelets. <i>Engineering With Computers</i> , 2022, 38, 4569-4581.	3.5	5
61	Effect of Prosopis Juliflora Thorns on Mechanical Properties of Plastic Waste Reinforced Epoxy Composites. <i>Polymers</i> , 2022, 14, 1278.	2.0	4
62	Assessment of Effectiveness of Date Palm Fibers in Foam Filled CFRP Energy Absorption Devices. <i>Key Engineering Materials</i> , 0, 735, 83-88.	0.4	3
63	In-plane stress analysis of multiple parallel cracks in an orthotropic FGM medium under time-harmonic loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 113, 102936.	2.1	3
64	Forced resonance vibration analysis in advanced polymeric nanocomposite plate surrounded by an elastic medium. <i>Composite Structures</i> , 2021, 275, 114389.	3.1	3
65	Effect of Embedded Thin-Plies on the Charpy Impact Properties of CFRP Composites. <i>Polymers</i> , 2022, 14, 1929.	2.0	3
66	Bearing Properties of CFRP Composite Laminates Containing Spread-Tow Thin-Plies. <i>Polymers</i> , 2022, 14, 2076.	2.0	3
67	Crushing Behavior of Hybrid Composite Fuselage-Shape Tubes. <i>Applied Mechanics and Materials</i> , 0, 564, 329-334.	0.2	2
68	Modelling the longitudinal failure of fibre-reinforced composites at microscale. , 2021, , 349-378.		2
69	Instability and post-instability examination due to the buckling of rotating nanocomposite beams in thermal ambient. <i>International Journal of Mechanics and Materials in Design</i> , 2022, 18, 87-103.	1.7	2
70	On the Manufacturing Defects of Thermoplastic Carbon/Epoxy Composites Manufactured by Automated Tape Placement. , 2020, , .		0
71	Two Pheromone Ant Colony Multiobjective Optimization to Design Dispersed Laminates for Structural Applications. , 0, , .		0