Ahmet Erklig

List of Publications by Year
in descending order

64	1,165	361413	454955
papers	citations	20 h-index	30 g-index

64	64	64	754
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of graphene nanoplatelets on mechanical and impact properties of an aramid/glass-reinforced epoxy composite. Materialpruefung/Materials Testing, 2022, 64, 490-501.	2.2	8
2	Nano kil parÃ§acÄ±k ilavesinin bazalt elyaf takviyeli kompozit plakalarÄ±n eksenel ve yanal burkulma Ã¶zelliklerine etkisi. Journal of the Faculty of Engineering and Architecture of Gazi University, 2022, 37, 1985-1996.	0.8	1
3	Effect of olive pomace particles content on mode I and mode <scp>II</scp> delamination fracture of Sâ€glass fiber reinforced composites. Polymer Composites, 2022, 43, 1157-1167.	4.6	8
4	Development of a trigger mechanism with circular cut-outs to improve crashworthiness characteristics of glass fiber-reinforced composite pipes. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	17
5	Evaluation of the hydrothermal aging effect on the buckling behavior of hybrid glass/aramid/epoxy composite plates: Comparison of distilled water and seawater. Polymer Composites, 2022, 43, 4463-4477.	4.6	13
6	Axial and Lateral Buckling Characteristics of Basalt/Carbon Hybrid Composite Laminates. Lecture Notes in Mechanical Engineering, 2022, , 465-474.	0.4	1
7	Interlaminar shear strength and failure analysis of composite laminates with double and triple hybrid configurations. Engineering Structures, 2022, 265, 114498.	5.3	5
8	Graphene nanoparticle effect on flexural and shear behaviors of adhesively bonded single lap joints of GFRP composites. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	8
9	Effect of graphene nano-platelets on mechanical and impact characteristics of carbon/Kevlar reinforced epoxy hybrid nanocomposites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 7139-7151.	2.1	20
10	Numune Boyut Etkisinin Aramid/Epoksi Kompozitlerin Hidrotermal YaÅŸlanma DavranÄ±ÅŸÄ±na Etkisi. Northwestern Medical Journal, 2021, 36, 187-196.	0.2	1
11	UV accelerated aging and sewage sludge ash particle effects on mode I interlaminar fracture properties of glass fiber/epoxy composites. Iranian Polymer Journal (English Edition), 2021, 30, 811-820.	2.4	6
12	Degradation of hybrid aramid/glass/epoxy composites hydrothermally aged in distilled water. Journal of Composite Materials, 2021, 55, 2043-2060.	2.4	32
13	Mode-I interlaminar fracture of aramid and carbon fibers reinforced epoxy matrix composites at various SiC particle contents. Materialpruefung/Materials Testing, 2021, 63, 913-918.	2.2	3
14	Mechanical and Dynamic Properties of Basalt Fiber-Reinforced Composites with Nanoclay Particles. Arabian Journal for Science and Engineering, 2020, 45, 1017-1033.	3.0	38
15	An experimental investigation on dynamic and mechanical characterization of olive pomace-filled glass/epoxy composite laminates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	6
16	Effect of clay nanoparticles on the mechanical and vibration characteristics of intraply aramid/carbon fiber reinforced epoxy composite. Polymer Composites, 2020, 41, 2704-2712.	4.6	30
17	Nanographene inclusion effect on the mechanical and low velocity impact response of glass/basalt reinforced epoxy hybrid nanocomposites. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	14
18	LOW VELOCITY IMPACT BEHAVIORS OF BASALT/EPOXY REINFORCED COMPOSITE LAMINATES WITH DIFFERENT FIBER ORIENTATIONS. Turkish Journal of Engineering, 2020, 4, 197-202.	1.2	11

#	Article	IF	Citations
19	A comparative study on the interlaminar shear strength of S-glass/epoxy composites containing borax, perlite and sewage sludge ash particles. Materials Research Express, 2019, 6, 095330.	1.6	7
20	An experimental study on intraply fiber hybridization of filament wound composite pipes subjected to quasi-static compression loading. Polymer Testing, 2019, 79, 106082.	4.8	52
21	Mechanical and low velocity impact characterization of carbon/glass hybrid composites with graphene nanoplatelets. Materials Research Express, 2019, 6, 085304.	1.6	23
22	The effects of S-glass fiber hybridization on vibration-damping behavior of intraply woven carbon/aramid hybrid composites for different lay-up configurations. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3220-3231.	2.1	15
23	Influence of basalt fiber hybridization on the vibration-damping properties of glass fiber reinforced epoxy laminates. Materials Research Express, 2019, 6, 015301.	1.6	15
24	Axial and lateral buckling analysis of fiber reinforced S-glass/epoxy composites containing nano-clay particles. Composites Part B: Engineering, 2019, 158, 82-91.	12.0	34
25	Vibration-damping characterization of the basalt/epoxy composite laminates containing graphene nanopellets. Science and Engineering of Composite Materials, 2019, 26, 147-153.	1.4	14
26	Effects of clay and silica nanoparticles on the Charpy impact resistance of a carbon/aramid fiber reinforced epoxy composite. Materialpruefung/Materials Testing, 2019, 61, 65-70.	2.2	11
27	Tensile and impact characterization of S-glass/epoxy composite laminates containing microscale borax, perlite, and sewage sludge ash particles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	7
28	Effect of Pistachio Shell Particle Content on the Mechanical Properties of Polymer Composite. Arabian Journal for Science and Engineering, 2018, 43, 4689-4696.	3.0	43
29	A comparative study on the tensile and impact properties of Kevlar, carbon, and S-glass/epoxy composites reinforced with SiC particles. Materials Research Express, 2018, 5, 025301.	1.6	28
30	Effect of perlite particle contents on delamination toughness of S-glass fiber reinforced epoxy matrix composites. Composites Part B: Engineering, 2018, 141, 182-190.	12.0	32
31	Toughening Effect of Microscale Particles on the Tensile and Vibration Properties of S-Glass-Fiber-Reinforced Epoxy Composites. Mechanics of Composite Materials, 2018, 54, 119-128.	1.4	4
32	Hybridization effects on charpy impact behavior of basalt/aramid fiber reinforced hybrid composite laminates. Polymer Composites, 2018, 39, 467-475.	4.6	34
33	An experimental investigation on damage characteristics of laminated hybrid composites subjected to low velocity impact. Polymer Composites, 2018, 39, 3129-3139.	4.6	20
34	Mixed-mode I/III fracture toughness of polymer matrix composites toughened with waste particles. Science and Engineering of Composite Materials, 2018, 25, 679-687.	1.4	5
35	The investigation of quasi-static indentation effect on laminated hybrid composite plates. Mechanics of Materials, 2018, 117, 225-234.	3.2	45
36	Nano-silica inclusion effects on mechanical and dynamic behavior of fiber reinforced carbon/Kevlar with epoxy resin hybrid composites. Composites Part B: Engineering, 2018, 152, 169-179.	12.0	81

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37	Experimental investigation on tensile and Charpy impact behavior of Kevlar/S-glass/epoxy hybrid composite laminates. Journal of Polymer Engineering, 2017, 37, 177-184.	1.4	14
38	Effect of S-glass fabric on the mechanical characteristics of a hybrid carbon/aramid fabric reinforced epoxy composites. Materials Research Express, 2017, 4, 055304.	1.6	21
39	A comparative study on the interlaminar shear strength of carbon, glass, and Kevlar fabric/epoxy laminates filled with SiC particles. Journal of Composite Materials, 2017, 51, 2835-2844.	2.4	24
40	A Comparative Study on Mode I and Mode II Interlaminar Behavior of Borax and SiC Particles Toughened S-Glass Fabric/Epoxy Composite. Arabian Journal for Science and Engineering, 2017, 42, 4759-4769.	3.0	15
41	On adhesive properties of perlite and sewage sludge ash with epoxy resin bonded single-strap repairs. Materials Research Express, 2017, 4, 085302.	1.6	5
42	Charpy impact response of glass fiber reinforced composite with nano graphene enhanced epoxy. Periodicals of Engineering and Natural Sciences, 2017, 5, .	0.5	12
43	Effects of stacking sequence on mechanical properties of hybrid composites reinforced with carbon, Kevlar and S-glass fibers. Materialpruefung/Materials Testing, 2017, 59, 472-479.	2.2	7
44	Hybridization effects on quasi-static penetration resistance in fiber reinforced hybrid composite laminates. Composites Part B: Engineering, 2016, 98, 9-22.	12.0	62
45	A comparative study on industrial waste fillers affecting mechanical properties of polymer-matrix composites. Materials Research Express, 2016, 3, 105302.	1.6	33
46	Damping and vibration characteristics of basalt-aramid/epoxy hybrid composite laminates. Journal of Polymer Engineering, 2016, 36, 173-180.	1.4	14
47	Experimental investigation on influence of Kevlar fiber hybridization on tensile and damping response of Kevlar/glass/epoxy resin composite laminates. Journal of Composite Materials, 2016, 50, 1875-1886.	2.4	34
48	Hybridization effects on lateral buckling behavior of laminated composite beams. Polymer Composites, 2016, 37, 2511-2521.	4.6	7
49	The effect of hybridization and boundary conditions on damping and free vibration of composite plates. Science and Engineering of Composite Materials, 2015, 22, 565-571.	1.4	14
50	Experimental Finite Element Approach for Stress Analysis. Journal of Engineering (United States), 2014, 2014, 1-7.	1.0	0
51	Natural frequency response of laminated hybrid composite beams with and without cutouts. Journal of Polymer Engineering, 2014, 34, 851-857.	1.4	7
52	Hybridization effects on the buckling behavior of laminated composite plates. Composite Structures, 2014, 118, 19-27.	5.8	30
53	Effects of cutouts on natural frequency of laminated composite plates. Science and Engineering of Composite Materials, 2013, 20, 179-185.	1.4	16
54	The effects of cut-outs on lateral buckling behavior of laminated composite beams. Composite Structures, 2013, 104, 54-59.	5.8	20

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55	Investigation of RPIM Shape Parameter Effects on the Solution Accuracy of 2D Elastoplastic Problems. International Journal for Computational Methods in Engineering Science and Mechanics, 2013, 14, 354-366.	2.1	6
56	On the Thermal Buckling Behavior of Laminated Hybrid Composite Plates Due to Square/Circular Cut-Outs. Mathematical and Computational Applications, 2013, 18, 548-557.	1.3	2
57	The Improvements of the Backhoe-Loader Arms. Modeling and Numerical Simulation of Material Science, 2013, 03, 142-148.	0.3	1
58	The effects of cutouts on buckling behavior of composite plates. Science and Engineering of Composite Materials, 2012, 19, 323-330.	1.4	16
59	Neural network modeling of arc spot welding. Journal of Materials Processing Technology, 2008, 202, 137-144.	6.3	23
60	Prediction of web crippling strength of cold-formed steel sheetings using neural networks. Journal of Constructional Steel Research, 2006, 62, 962-973.	3.9	81
61	The efficiency of direct integration methods in elastic contact-impact problems. Acta Mechanica Sinica/Lixue Xuebao, 2005, 21, 395-401.	3.4	2
62	Coupling of Finite and Boundary Element Methods with Incompatible Interfaces. Mathematical and Computational Applications, 2005, 10, 321-330.	1.3	0
63	Boundary element analysis of contact problems using artificial boundary node approach. Acta Mechanica Sinica/Lixue Xuebao, 2003, 19, 347-354.	3.4	3
64	The Influence of Borax Filler Addition on Damping and Vibration Response of S-glass/epoxy Composite Laminates. , 0, , .		4