

# Ahmet Erklig

## List of Publications by Year in descending order

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64  
papers

1,165  
citations

361296

20  
h-index

454834

30  
g-index

64  
all docs

64  
docs citations

64  
times ranked

754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of graphene nanoplatelets on mechanical and impact properties of an aramid/glass-reinforced epoxy composite. <i>Materialpruefung/Materials Testing</i> , 2022, 64, 490-501.	0.8	8
2	Nano kil parÅšacÄ±k ilavesinin bazalt elyaf takviyeli kompozit plakalarÄ±n aksenel ve yanal burkulma Å¶zelliklerine etkisi. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2022, 37, 1985-1996.	0.3	1
3	Effect of olive pomace particles content on mode I and mode II delamination fracture of Sâ€glass fiber reinforced composites. <i>Polymer Composites</i> , 2022, 43, 1157-1167.	2.3	8
4	Development of a trigger mechanism with circular cut-outs to improve crashworthiness characteristics of glass fiber-reinforced composite pipes. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	0.8	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. <i>Polymer Composites</i> , 2022, 43, 4463-4477.	2.3	13
6	Axial and Lateral Buckling Characteristics of Basalt/Carbon Hybrid Composite Laminates. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 465-474.	0.3	1
7	Interlaminar shear strength and failure analysis of composite laminates with double and triple hybrid configurations. <i>Engineering Structures</i> , 2022, 265, 114498.	2.6	5
8	Graphene nanoparticle effect on flexural and shear behaviors of adhesively bonded single lap joints of GFRP composites. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	8
9	Effect of graphene nano-platelets on mechanical and impact characteristics of carbon/Kevlar reinforced epoxy hybrid nanocomposites. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 7139-7151.	1.1	20
10	Numune Boyut Etkisinin Aramid/Epoksi Kompozitlerin Hidrotermal YaÅŸlanma DavranÄ±na Etkisi. <i>Northwestern Medical Journal</i> , 2021, 36, 187-196.	0.0	1
11	UV accelerated aging and sewage sludge ash particle effects on mode I interlaminar fracture properties of glass fiber/epoxy composites. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 811-820.	1.3	6
12	Degradation of hybrid aramid/glass/epoxy composites hydrothermally aged in distilled water. <i>Journal of Composite Materials</i> , 2021, 55, 2043-2060.	1.2	32
13	Mode-I interlaminar fracture of aramid and carbon fibers reinforced epoxy matrix composites at various SiC particle contents. <i>Materialpruefung/Materials Testing</i> , 2021, 63, 913-918.	0.8	3
14	Mechanical and Dynamic Properties of Basalt Fiber-Reinforced Composites with Nanoclay Particles. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 1017-1033.	1.7	38
15	An experimental investigation on dynamic and mechanical characterization of olive pomace-filled glass/epoxy composite laminates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	6
16	Effect of clay nanoparticles on the mechanical and vibration characteristics of intraply aramid/carbon fiber reinforced epoxy composite. <i>Polymer Composites</i> , 2020, 41, 2704-2712.	2.3	30
17	Nanographene inclusion effect on the mechanical and low velocity impact response of glass/basalt reinforced epoxy hybrid nanocomposites. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	14
18	LOW VELOCITY IMPACT BEHAVIORS OF BASALT/EPOXY REINFORCED COMPOSITE LAMINATES WITH DIFFERENT FIBER ORIENTATIONS. <i>Turkish Journal of Engineering</i> , 2020, 4, 197-202.	0.7	11

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19	A comparative study on the interlaminar shear strength of S-glass/epoxy composites containing borax, perlite and sewage sludge ash particles. <i>Materials Research Express</i> , 2019, 6, 095330.	0.8	7
20	An experimental study on intraply fiber hybridization of filament wound composite pipes subjected to quasi-static compression loading. <i>Polymer Testing</i> , 2019, 79, 106082.	2.3	52
21	Mechanical and low velocity impact characterization of carbon/glass hybrid composites with graphene nanoplatelets. <i>Materials Research Express</i> , 2019, 6, 085304.	0.8	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. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 3220-3231.	1.1	15
23	Influence of basalt fiber hybridization on the vibration-damping properties of glass fiber reinforced epoxy laminates. <i>Materials Research Express</i> , 2019, 6, 015301.	0.8	15
24	Axial and lateral buckling analysis of fiber reinforced S-glass/epoxy composites containing nano-clay particles. <i>Composites Part B: Engineering</i> , 2019, 158, 82-91.	5.9	34
25	Vibration-damping characterization of the basalt/epoxy composite laminates containing graphene nanopellets. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 147-153.	0.6	14
26	Effects of clay and silica nanoparticles on the Charpy impact resistance of a carbon/aramid fiber reinforced epoxy composite. <i>Materialpruefung/Materials Testing</i> , 2019, 61, 65-70.	0.8	11
27	Tensile and impact characterization of S-glass/epoxy composite laminates containing microscale borax, perlite, and sewage sludge ash particles. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	0.8	7
28	Effect of Pistachio Shell Particle Content on the Mechanical Properties of Polymer Composite. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 4689-4696.	1.7	43
29	A comparative study on the tensile and impact properties of Kevlar, carbon, and S-glass/epoxy composites reinforced with SiC particles. <i>Materials Research Express</i> , 2018, 5, 025301.	0.8	28
30	Effect of perlite particle contents on delamination toughness of S-glass fiber reinforced epoxy matrix composites. <i>Composites Part B: Engineering</i> , 2018, 141, 182-190.	5.9	32
31	Toughening Effect of Microscale Particles on the Tensile and Vibration Properties of S-Glass-Fiber-Reinforced Epoxy Composites. <i>Mechanics of Composite Materials</i> , 2018, 54, 119-128.	0.9	4
32	Hybridization effects on charpy impact behavior of basalt/aramid fiber reinforced hybrid composite laminates. <i>Polymer Composites</i> , 2018, 39, 467-475.	2.3	34
33	An experimental investigation on damage characteristics of laminated hybrid composites subjected to low velocity impact. <i>Polymer Composites</i> , 2018, 39, 3129-3139.	2.3	20
34	Mixed-mode I/III fracture toughness of polymer matrix composites toughened with waste particles. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 679-687.	0.6	5
35	The investigation of quasi-static indentation effect on laminated hybrid composite plates. <i>Mechanics of Materials</i> , 2018, 117, 225-234.	1.7	45
36	Nano-silica inclusion effects on mechanical and dynamic behavior of fiber reinforced carbon/Kevlar with epoxy resin hybrid composites. <i>Composites Part B: Engineering</i> , 2018, 152, 169-179.	5.9	81

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37	Experimental investigation on tensile and Charpy impact behavior of Kevlar/S-glass/epoxy hybrid composite laminates. <i>Journal of Polymer Engineering</i> , 2017, 37, 177-184.	0.6	14
38	Effect of S-glass fabric on the mechanical characteristics of a hybrid carbon/aramid fabric reinforced epoxy composites. <i>Materials Research Express</i> , 2017, 4, 055304.	0.8	21
39	A comparative study on the interlaminar shear strength of carbon, glass, and Kevlar fabric/epoxy laminates filled with SiC particles. <i>Journal of Composite Materials</i> , 2017, 51, 2835-2844.	1.2	24
40	A Comparative Study on Mode I and Mode II Interlaminar Behavior of Borax and SiC Particles Toughened S-Glass Fabric/Epoxy Composite. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 4759-4769.	1.7	15
41	On adhesive properties of perlite and sewage sludge ash with epoxy resin bonded single-strap repairs. <i>Materials Research Express</i> , 2017, 4, 085302.	0.8	5
42	Charpy impact response of glass fiber reinforced composite with nano graphene enhanced epoxy. <i>Periodicals of Engineering and Natural Sciences</i> , 2017, 5, .	0.3	12
43	Effects of stacking sequence on mechanical properties of hybrid composites reinforced with carbon, Kevlar and S-glass fibers. <i>Materialpruefung/Materials Testing</i> , 2017, 59, 472-479.	0.8	7
44	Hybridization effects on quasi-static penetration resistance in fiber reinforced hybrid composite laminates. <i>Composites Part B: Engineering</i> , 2016, 98, 9-22.	5.9	62
45	A comparative study on industrial waste fillers affecting mechanical properties of polymer-matrix composites. <i>Materials Research Express</i> , 2016, 3, 105302.	0.8	33
46	Damping and vibration characteristics of basalt-aramid/epoxy hybrid composite laminates. <i>Journal of Polymer Engineering</i> , 2016, 36, 173-180.	0.6	14
47	Experimental investigation on influence of Kevlar fiber hybridization on tensile and damping response of Kevlar/glass/epoxy resin composite laminates. <i>Journal of Composite Materials</i> , 2016, 50, 1875-1886.	1.2	34
48	Hybridization effects on lateral buckling behavior of laminated composite beams. <i>Polymer Composites</i> , 2016, 37, 2511-2521.	2.3	7
49	The effect of hybridization and boundary conditions on damping and free vibration of composite plates. <i>Science and Engineering of Composite Materials</i> , 2015, 22, 565-571.	0.6	14
50	Experimental Finite Element Approach for Stress Analysis. <i>Journal of Engineering (United States)</i> , 2014, 2014, 1-7.	0.5	0
51	Natural frequency response of laminated hybrid composite beams with and without cutouts. <i>Journal of Polymer Engineering</i> , 2014, 34, 851-857.	0.6	7
52	Hybridization effects on the buckling behavior of laminated composite plates. <i>Composite Structures</i> , 2014, 118, 19-27.	3.1	30
53	Effects of cutouts on natural frequency of laminated composite plates. <i>Science and Engineering of Composite Materials</i> , 2013, 20, 179-185.	0.6	16
54	The effects of cut-outs on lateral buckling behavior of laminated composite beams. <i>Composite Structures</i> , 2013, 104, 54-59.	3.1	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.	1.4	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.	0.7	2
57	The Improvements of the Backhoe-Loader Arms. Modeling and Numerical Simulation of Material Science, 2013, 03, 142-148.	0.5	1
58	The effects of cutouts on buckling behavior of composite plates. Science and Engineering of Composite Materials, 2012, 19, 323-330.	0.6	16
59	Neural network modeling of arc spot welding. Journal of Materials Processing Technology, 2008, 202, 137-144.	3.1	23
60	Prediction of web crippling strength of cold-formed steel sheetings using neural networks. Journal of Constructional Steel Research, 2006, 62, 962-973.	1.7	81
61	The efficiency of direct integration methods in elastic contact-impact problems. Acta Mechanica Sinica/Lixue Xuebao, 2005, 21, 395-401.	1.5	2
62	Coupling of Finite and Boundary Element Methods with Incompatible Interfaces. Mathematical and Computational Applications, 2005, 10, 321-330.	0.7	0
63	Boundary element analysis of contact problems using artificial boundary node approach. Acta Mechanica Sinica/Lixue Xuebao, 2003, 19, 347-354.	1.5	3
64	The Influence of Borax Filler Addition on Damping and Vibration Response of S-glass/epoxy Composite Laminates. , 0, , .		4