

# S Mohammad Reza Khalili

## List of Publications by Year in descending order

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81  
papers

2,489  
citations

147566  
31  
h-index

233125  
45  
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82  
all docs

82  
docs citations

82  
times ranked

1734  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mixed Ritz-DQ method for forced vibration of functionally graded beams carrying moving loads. <i>Composite Structures</i> , 2010, 92, 2497-2511.	3.1	143
2	A study of the mechanical properties of steel/aluminium/GRP laminates. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 412, 137-140.	2.6	88
3	Non-linear dynamic analysis of a sandwich beam with pseudoelastic SMA hybrid composite faces based on higher order finite element theory. <i>Composite Structures</i> , 2013, 96, 243-255.	3.1	88
4	Free vibration analysis of sandwich beam with FG core using the element free Galerkin method. <i>Composite Structures</i> , 2009, 90, 373-379.	3.1	78
5	Finite element modeling of low-velocity impact on laminated composite plates and cylindrical shells. <i>Composite Structures</i> , 2011, 93, 1363-1375.	3.1	77
6	Free vibration analysis of homogeneous isotropic circular cylindrical shells based on a new three-dimensional refined higher-order theory. <i>International Journal of Mechanical Sciences</i> , 2012, 56, 1-25.	3.6	75
7	Free vibration response of composite sandwich cylindrical shell with flexible core. <i>Composite Structures</i> , 2010, 92, 1269-1281.	3.1	74
8	Influence of thermal conditions on the tensile properties of basalt fiber reinforced polypropylene/clay nanocomposites. <i>Materials &amp; Design</i> , 2014, 53, 540-549.	5.1	69
9	Nonlinear vibration of functionally graded cylindrical shells embedded with a piezoelectric layer. <i>Thin-Walled Structures</i> , 2014, 79, 8-15.	2.7	64
10	Free vibration analysis of sandwich structures with a flexible functionally graded syntactic core. <i>Composite Structures</i> , 2009, 91, 229-235.	3.1	63
11	Experimental study of the influence of adhesive reinforcement in lap joints for composite structures subjected to mechanical loads. <i>International Journal of Adhesion and Adhesives</i> , 2008, 28, 436-444.	1.4	61
12	Low-velocity impact response of active thin-walled hybrid composite structures embedded with SMA wires. <i>Thin-Walled Structures</i> , 2007, 45, 799-808.	2.7	60
13	Transient dynamic response of composite circular cylindrical shells under radial impulse load and axial compressive loads. <i>Thin-Walled Structures</i> , 2005, 43, 1763-1786.	2.7	58
14	Analysis and optimization of smart hybrid composite plates subjected to low-velocity impact using the response surface methodology (RSM). <i>Thin-Walled Structures</i> , 2008, 46, 1204-1212.	2.7	55
15	Charpy impact response of basalt fiber reinforced epoxy and basalt fiber metal laminate composites: Experimental study. <i>International Journal of Damage Mechanics</i> , 2014, 23, 729-744.	2.4	53
16	Effect of Thermal Cycling on the Tensile Behavior of Polymer Composites Reinforced by Basalt and Carbon Fibers. <i>Mechanics of Composite Materials</i> , 2017, 52, 807-816.	0.9	47
17	Mechanical Properties of Nanoclay Reinforced Epoxy Adhesive Bonded Joints Made with Composite Materials. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1917-1928.	1.4	45
18	High-order free vibration analysis of sandwich beams with a flexible core using dynamic stiffness method. <i>Composite Structures</i> , 2012, 94, 1503-1514.	3.1	45

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19	Low velocity transverse impact response of functionally graded plates with temperature dependent properties. <i>Composite Structures</i> , 2013, 96, 64-74.	3.1	45
20	A high-order theory for the analysis of circular cylindrical composite sandwich shells with transversely compliant core subjected to external loads. <i>Composite Structures</i> , 2012, 94, 2129-2142.	3.1	43
21	Free vibration analysis of sandwich beams using improved dynamic stiffness method. <i>Composite Structures</i> , 2010, 92, 387-394.	3.1	40
22	Hybridization effect of basalt and carbon fibers on impact and flexural properties of phenolic composites. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 767-773.	1.3	40
23	Experimental investigation on distance effects in repeated low velocity impact on fiber-metal laminates. <i>Composite Structures</i> , 2013, 99, 31-40.	3.1	39
24	Creep analysis of fibre reinforced adhesives in single lap joints-Experimental study. <i>International Journal of Adhesion and Adhesives</i> , 2009, 29, 656-661.	1.4	38
25	Modeling and transient dynamic analysis of pseudoelastic SMA hybrid composite beam. <i>Applied Mathematics and Computation</i> , 2013, 219, 9762-9782.	1.4	38
26	Analysis of fiber reinforced composite plates subjected to transverse impact in the presence of initial stresses. <i>Composite Structures</i> , 2007, 77, 263-268.	3.1	37
27	Dynamic response of pre-stressed fibre metal laminate (FML) circular cylindrical shells subjected to lateral pressure pulse loads. <i>Composite Structures</i> , 2010, 92, 1308-1317.	3.1	36
28	Mixed LW/ESL models for the analysis of sandwich plates with composite faces. <i>Composite Structures</i> , 2013, 98, 330-339.	3.1	34
29	A nonlinear finite element model using a unified formulation for dynamic analysis of multilayer composite plate embedded with SMA wires. <i>Composite Structures</i> , 2013, 106, 635-645.	3.1	34
30	Low-velocity impact response of doubly curved symmetric cross-ply laminated panel with embedded SMA wires. <i>Composite Structures</i> , 2013, 105, 216-226.	3.1	34
31	Numerical study of lap joints with composite adhesives and composite adherends subjected to in-plane and transverse loads. <i>International Journal of Adhesion and Adhesives</i> , 2008, 28, 411-418.	1.4	33
32	Transient dynamic response of initially stressed composite circular cylindrical shells under radial impulse load. <i>Composite Structures</i> , 2009, 89, 275-284.	3.1	33
33	Effect of smart stiffening procedure on low-velocity impact response of smart structures. <i>Journal of Materials Processing Technology</i> , 2007, 190, 142-152.	3.1	28
34	Numerical analysis of adhesively bonded T-joints with structural sandwiches and study of design parameters. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 347-356.	1.4	27
35	An experimental study on the behavior of PP/EPDM/JUTE composites in impact, tensile and bending loadings. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1341-1347.	1.6	27
36	Frequency analysis of sandwich plate with active SMA hybrid composite face-sheets and temperature dependent flexible core. <i>Composite Structures</i> , 2015, 123, 408-419.	3.1	27

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37	An experimental study on the Charpy impact response of cracked aluminum plates repaired with GFRP or CFRP composite patches. <i>Composite Structures</i> , 2009, 89, 270-274.	3.1	24
38	Optimal design of a bio-inspired self-healing metal matrix composite reinforced with NiTi shape memory alloy strips. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3972-3982.	1.4	24
39	Experimental investigation on the smart self-healing composites based on the short hollow glass fibers and shape memory alloy strips. <i>Polymer Composites</i> , 2019, 40, 1883-1889.	2.3	23
40	A finite element based global-local theory for static analysis of rectangular sandwich and laminated composite plates. <i>Composite Structures</i> , 2014, 107, 177-189.	3.1	22
41	Free vibrations of laminated composite shells with uniformly distributed attached mass using higher order shell theory including stiffness effect. <i>Journal of Sound and Vibration</i> , 2011, 330, 6355-6371.	2.1	21
42	Static analysis of tapered FRP transmission poles using finite element method. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 247-255.	1.7	20
43	Temperature-dependent buckling analysis of sandwich truncated conical shells with FG facesheets. <i>Composite Structures</i> , 2015, 131, 682-691.	3.1	20
44	Investigation of the response of an aluminium plate subjected to repeated low velocity impact using a continuum damage mechanics approach. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2015, 38, 475-488.	1.7	20
45	Charpy impact behavior of clay/basalt fiber-reinforced polypropylene nanocomposites at various temperatures. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 1416-1428.	2.6	20
46	Transient dynamic analysis of tapered FRP composite transmission poles using finite element method. <i>Composite Structures</i> , 2010, 92, 275-283.	3.1	19
47	Investigation on design parameters of single-walled carbon nanotube reinforced nanocomposites under impact loads. <i>Composite Structures</i> , 2013, 98, 253-260.	3.1	19
48	Vibration of non-ideal simply supported laminated plate on an elastic foundation subjected to in-plane stresses. <i>Composite Structures</i> , 2010, 92, 1478-1484.	3.1	18
49	Experimental, theoretical, and numerical studies on the response of square plates subjected to blast loading. <i>Journal of Strain Analysis for Engineering Design</i> , 2011, 46, 805-816.	1.0	18
50	Dynamic Response of Smart Hybrid Composite Plate Subjected to Low-Velocity Impact. <i>Journal of Composite Materials</i> , 2007, 41, 2347-2370.	1.2	16
51	Effect of thermal cycling on tensile properties of degraded FML to metal hybrid joints exposed to sea water. <i>International Journal of Adhesion and Adhesives</i> , 2017, 79, 95-101.	1.4	16
52	Analytical solution for bending analysis of soft-core composite sandwich plates using improved high-order theory. <i>Structural Engineering and Mechanics</i> , 2012, 44, 15-34.	1.0	16
53	Mechanical Behavior of Notched Plate Repaired with Polymer Composite and Smart Patches - Experimental Study. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 3021-3037.	1.6	15
54	Determination of the elastic properties of randomly oriented shape memory alloy (SMA) discontinuous wires reinforced epoxy resin. <i>Composite Structures</i> , 2017, 180, 148-160.	3.1	15

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55	Dynamic response of laminated composite beam reinforced with shape memory alloy wires subjected to low velocity impact of multiple masses. <i>Journal of Composite Materials</i> , 2018, 52, 1089-1101.	1.2	15
56	Numerical simulation of buckling behavior of thin walled composite shells with embedded shape memory alloy wires. <i>Thin-Walled Structures</i> , 2019, 143, 106193.	2.7	15
57	A boundary element formulation for the heterogeneous functionally graded viscoelastic structures. <i>Applied Mathematics and Computation</i> , 2013, 225, 246-262.	1.4	14
58	Analysis and optimization of laminated composite circular cylindrical shell subjected to compressive axial and transverse transient dynamic loads. <i>Thin-Walled Structures</i> , 2009, 47, 970-983.	2.7	13
59	Free vibration analysis of sandwich beam carrying sprung masses. <i>International Journal of Mechanical Sciences</i> , 2010, 52, 1620-1633.	3.6	13
60	Transient Dynamic Response of Clamped-Free Hybrid Composite Circular Cylindrical Shells. <i>Applied Composite Materials</i> , 2010, 17, 243-257.	1.3	12
61	A global-local theory with stress recovery and a new post-processing technique for stress analysis of asymmetric orthotropic sandwich plates with single/dual cores. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 286, 192-215.	3.4	12
62	Vibration and buckling analysis of laminated sandwich conical shells using higher order shear deformation theory and differential quadrature method. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 1445-1480.	2.0	12
63	Buckling of non-ideal simply supported laminated plate on Pasternak foundation. <i>Applied Mathematics and Computation</i> , 2013, 219, 6420-6430.	1.4	11
64	Mechanical characterization of clay reinforced polypropylene nanocomposites at high temperature. <i>Fibers and Polymers</i> , 2013, 14, 1650-1656.	1.1	11
65	Low-velocity impact response of sandwich conical shell with agglomerated single-walled carbon nanotubes-reinforced face sheets considering structural damping. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 1481-1519.	2.0	8
66	Evaluation of Fatigue Life for Dental Implants Using FEM Analysis. <i>Prosthesis</i> , 2021, 3, 300-313.	1.1	8
67	Free Vibrations of Thick Rectangular Composite Plate with Uniformly Distributed Attached Mass Including Stiffness Effect. <i>Journal of Composite Materials</i> , 2010, 44, 2897-2918.	1.2	7
68	Creep analysis in smart single-strap adhesive joints reinforced by shape memory alloys—Experimental study. <i>International Journal of Adhesion and Adhesives</i> , 2014, 54, 21-29.	1.4	7
69	Static Tensile and Transient Dynamic Response of Cracked Aluminum Plate Repaired with Composite Patch – Numerical Study. <i>Applied Composite Materials</i> , 2014, 21, 441-455.	1.3	7
70	Experimental analysis of corrugated core sandwich panel with smart composite face-sheets under high-velocity impact. <i>Journal of Composite Materials</i> , 2022, 56, 1495-1511.	1.2	7
71	Evaluation of the effective mechanical properties of shape memory wires/epoxy composites using representative volume element. <i>Journal of Composite Materials</i> , 2016, 50, 1761-1770.	1.2	6
72	Effect of pre-tension on tensile strength of glass fibers-epoxy composite reinforced with shape memory alloy wire. <i>Polymer Composites</i> , 2018, 39, E2454.	2.3	6

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73	Dynamic response of functionally graded circular cylindrical shells subjected to radial impulse load. <i>International Journal of Mechanics and Materials in Design</i> , 2013, 9, 65-81.	1.7	5
74	An indentation law for doubly curved composite sandwich panels with rigid-plastic core subjected to flat-ended cylindrical indenters. <i>Composite Structures</i> , 2013, 105, 82-89.	3.1	4
75	Mechanical Characterization of Nanoclay Reinforced Polypropylene Composites at High Temperature Subjected to Tensile Loads. <i>Advanced Materials Research</i> , 2012, 488-489, 567-571.	0.3	3
76	Static and vibration properties of randomly oriented shape memory alloy short wires reinforced epoxy resin. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1104-1114.	1.6	3
77	Free vibration analysis of tapered FRP transmission poles with flexible joint by finite element method. <i>Structural Engineering and Mechanics</i> , 2012, 42, 409-424.	1.0	3
78	Study on the effective parameter of buckling behavior of cylindrical composite shells with embedded SMA wires. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 737-748.	1.6	2
79	Analysis of the Effect of Piezoelectric Patches on the Behavior of Adhesively Bonded Scarf Joints – An Analytical Study. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 2539-2553.	1.4	1
80	Fatigue Behavior of Notched Aluminum Plates Repaired by Smart and Composite Patches. , 2010, , .		0
81	Tensile Properties of Clay/Polypropylene Nanocomposites at Cryogenic Temperature. <i>Advanced Materials Research</i> , 0, 488-489, 562-566.	0.3	0