# S Mohammad Reza Khalili

List of Publications by Year
in descending order



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|---|---|---|---|
| 81 papers | 2,489 citations | 147801 31 h-index | 233421 45 g-index |
| 82 all docs | 82 docs citations | 82 times ranked | 1734 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Experimental analysis of corrugated core sandwich panel with smart composite face-sheets under high-velocity impact. Journal of Composite Materials, 2022, 56, 1495-1511. | 2.4 | 7 |
| 2 | Evaluation of Fatigue Life for Dental Implants Using FEM Analysis. Prosthesis, 2021, 3, 300-313. | 2.9 | 8 |
| 3 | Numerical simulation of buckling behavior of thin walled composite shells with embedded shape memory alloy wires. Thin-Walled Structures, 2019, 143, 106193. | 5.3 | 15 |
| 4 | Study on the effective parameter of buckling behavior of cylindrical composite shells with embedded SMA wires. Journal of Reinforced Plastics and Composites, 2019, 38, 737-748. | 3.1 | 2 |
| 5 | Experimental investigation on the smart selfâ€healing composites based on the short hollow glass fibers and shape memory alloy strips. Polymer Composites, 2019, 40, 1883-1889. | 4.6 | 23 |
| 6 | Vibration and buckling analysis of laminated sandwich conical shells using higher order shear deformation theory and differential quadrature method. Journal of Sandwich Structures and Materials, 2019, 21, 1445-1480. | 3.5 | 12 |
| 7 | Low-velocity impact response of sandwich conical shell with agglomerated single-walled carbon nanotubes-reinforced face sheets considering structural damping. Journal of Sandwich Structures and Materials, 2019, 21, 1481-1519. | 3.5 | 8 |
| 8 | Effect of preâ€tension on tensile strength of glass fibersâ€epoxy composite reinforced with shape memory alloy wire. Polymer Composites, 2018, 39, E2454. | 4.6 | 6 |
| 9 | Dynamic response of laminated composite beam reinforced with shape memory alloy wires subjected to low velocity impact of multiple masses. Journal of Composite Materials, 2018, 52, 1089-1101. | 2.4 | 15 |
| 10 | Optimal design of a bio-inspired self-healing metal matrix composite reinforced with NiTi shape memory alloy strips. Journal of Intelligent Material Systems and Structures, 2018, 29, 3972-3982. | 2.5 | 24 |
| 11 | Effect of Thermal Cycling on the Tensile Behavior of Polymer Composites Reinforced by Basalt and Carbon Fibers. Mechanics of Composite Materials, 2017, 52, 807-816. | 1.4 | 47 |
| 12 | Effect of thermal cycling on tensile properties of degraded FML to metal hybrid joints exposed to sea water. International Journal of Adhesion and Adhesives, 2017, 79, 95-101. | 2.9 | 16 |
| 13 | Determination of the elastic properties of randomly oriented shape memory alloy (SMA) discontinuous wires reinforced epoxy resin. Composite Structures, 2017, 180, 148-160. | 5.8 | 15 |
| 14 | Static and vibration properties of randomly oriented shape memory alloy short wires reinforced epoxy resin. Journal of Reinforced Plastics and Composites, 2016, 35, 1104-1114. | 3.1 | 3 |
| 15 | Charpy impact behavior of clay/basalt fiber-reinforced polypropylene nanocomposites at various temperatures. Journal of Thermoplastic Composite Materials, 2016, 29, 1416-1428. | 4.2 | 20 |
| 16 | Evaluation of the effective mechanical properties of shape memory wires/epoxy composites using representative volume element. Journal of Composite Materials, 2016, 50, 1761-1770. | 2.4 | 6 |
| 17 | A globalâ€"local theory with stress recovery and a new post-processing technique for stress analysis of asymmetric orthotropic sandwich plates with single/dual cores. Computer Methods in Applied Mechanics and Engineering, 2015, 286, 192-215. | 6.6 | 12 |
| 18 | Frequency analysis of sandwich plate with active SMA hybrid composite face-sheets and temperature dependent flexible core. Composite Structures, 2015, 123, 408-419. | 5.8 | 27 |

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|---|---|---|---|
| 19 | Temperature-dependent buckling analysis of sandwich truncated conical shells with FG facesheets. Composite Structures, 2015, 131, 682-691. | 5.8 | 20 |
| 20 | Investigation of the response of an aluminium plate subjected to repeated low velocity impact using a continuum damage mechanics approach. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 475-488. | 3.4 | 20 |
| 21 | Hybridization effect of basalt and carbon fibers on impact and flexural properties of phenolic composites. Iranian Polymer Journal (English Edition), 2014, 23, 767-773. | 2.4 | 40 |
| 22 | Creep analysis in smart single-strap adhesive joints reinforced by shape memory alloysâ€"Experimental study. International Journal of Adhesion and Adhesives, 2014, 54, 21-29. | 2.9 | 7 |
| 23 | A finite element based globalâ€"local theory for static analysis of rectangular sandwich and laminated composite plates. Composite Structures, 2014, 107, 177-189. | 5.8 | 22 |
| 24 | Influence of thermal conditions on the tensile properties of basalt fiber reinforced polypropyleneâ€"clay nanocomposites. Materials & Design, 2014, 53, 540-549. | 5.1 | 69 |
| 25 | Nonlinear vibration of functionally graded cylindrical shells embedded with a piezoelectric layer. Thin-Walled Structures, 2014, 79, 8-15. | 5.3 | 64 |
| 26 | Charpy impact response of basalt fiber reinforced epoxy and basalt fiber metal laminate composites: Experimental study. International Journal of Damage Mechanics, 2014, 23, 729-744. | 4.2 | 53 |
| 27 | Static Tensile and Transient Dynamic Response of Cracked Aluminum Plate Repaired with Composite Patch â€" Numerical Study. Applied Composite Materials, 2014, 21, 441-455. | 2.5 | 7 |
| 28 | Mixed LW/ESL models for the analysis of sandwich plates with composite faces. Composite Structures, 2013, 98, 330-339. | 5.8 | 34 |
| 29 | Experimental investigation on distance effects in repeated low velocity impact on fiberâ€"metal laminates. Composite Structures, 2013, 99, 31-40. | 5.8 | 39 |
| 30 | Investigation on design parameters of single-walled carbon nanotube reinforced nanocomposites under impact loads. Composite Structures, 2013, 98, 253-260. | 5.8 | 19 |
| 31 | A boundary element formulation for the heterogeneous functionally graded viscoelastic structures. Applied Mathematics and Computation, 2013, 225, 246-262. | 2.2 | 14 |
| 32 | A nonlinear finite element model using a unified formulation for dynamic analysis of multilayer composite plate embedded with SMA wires. Composite Structures, 2013, 106, 635-645. | 5.8 | 34 |
| 33 | Low-velocity impact response of doubly curved symmetric cross-ply laminated panel with embedded SMA wires. Composite Structures, 2013, 105, 216-226. | 5.8 | 34 |
| 34 | Modeling and transient dynamic analysis of pseudoelastic SMA hybrid composite beam. Applied Mathematics and Computation, 2013, 219, 9762-9782. | 2.2 | 38 |
| 35 | Buckling of non-ideal simply supported laminated plate on Pasternak foundation. Applied Mathematics and Computation, 2013, 219, 6420-6430. | 2.2 | 11 |
| 36 | An indentation law for doubly curved composite sandwich panels with rigid-plastic core subjected to flat-ended cylindrical indenters. Composite Structures, 2013, 105, 82-89. | 5.8 | 4 |

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|---|---|---|---|
| 37 | Dynamic response of functionally graded circular cylindrical shells subjected to radial impulse load. International Journal of Mechanics and Materials in Design, 2013, 9, 65-81. | 3.0 | 5 |
| 38 | Low velocity transverse impact response of functionally graded plates with temperature dependent properties. Composite Structures, 2013, 96, 64-74. | 5.8 | 45 |
| 39 | Non-linear dynamic analysis of a sandwich beam with pseudoelastic SMA hybrid composite faces based on higher order finite element theory. Composite Structures, 2013, 96, 243-255. | 5.8 | 88 |
| 40 | Mechanical characterization of clay reinforced polypropylene nanocomposites at high temperature. Fibers and Polymers, 2013, 14, 1650-1656. | 2.1 | 11 |
| 41 | Mechanical Characterization of Nanoclay Reinforced Polypropylene Composites at High Temperature Subjected to Tensile Loads. Advanced Materials Research, 2012, 488-489, 567-571. | 0.3 | 3 |
| 42 | High-order free vibration analysis of sandwich beams with a flexible core using dynamic stiffness method. Composite Structures, 2012, 94, 1503-1514. | 5.8 | 45 |
| 43 | A high-order theory for the analysis of circular cylindrical composite sandwich shells with transversely compliant core subjected to external loads. Composite Structures, 2012, 94, 2129-2142. | 5.8 | 43 |
| 44 | Free vibration analysis of homogeneous isotropic circular cylindrical shells based on a new three-dimensional refined higher-order theory. International Journal of Mechanical Sciences, 2012, 56, 1-25. | 6.7 | 75 |
| 45 | Free vibration analysis of tapered FRP transmission poles with flexible joint by finite element method. Structural Engineering and Mechanics, 2012, 42, 409-424. | 1.0 | 3 |
| 46 | Analytical solution for bending analysis of soft-core composite sandwich plates using improved high-order theory. Structural Engineering and Mechanics, 2012, 44, 15-34. | 1.0 | 16 |
| 47 | Analysis of the Effect of Piezoelectric Patches on the Behavior of Adhesively Bonded Scarf Joints â€" An Analytical Study. Journal of Adhesion Science and Technology, 2011, 25, 2539-2553. | 2.6 | 1 |
| 48 | Experimental, theoretical, and numerical studies on the response of square plates subjected to blast loading. Journal of Strain Analysis for Engineering Design, 2011, 46, 805-816. | 1.8 | 18 |
| 49 | Free vibrations of laminated composite shells with uniformly distributed attached mass using higher order shell theory including stiffness effect. Journal of Sound and Vibration, 2011, 330, 6355-6371. | 3.9 | 21 |
| 50 | Finite element modeling of low-velocity impact on laminated composite plates and cylindrical shells. Composite Structures, 2011, 93, 1363-1375. | 5.8 | 77 |
| 51 | Static analysis of tapered FRP transmission poles using finite element method. Finite Elements in Analysis and Design, 2011, 47, 247-255. | 3.2 | 20 |
| 52 | Numerical analysis of adhesively bonded T-joints with structural sandwiches and study of design parameters. International Journal of Adhesion and Adhesives, 2011, 31, 347-356. | 2.9 | 27 |
| 53 | An experimental study on the behavior of PP/EPDM/JUTE composites in impact, tensile and bending loadings. Journal of Reinforced Plastics and Composites, 2011, 30, 1341-1347. | 3.1 | 27 |
| 54 | Transient Dynamic Response of Clamped-Free Hybrid Composite Circular Cylindrical Shells. Applied Composite Materials, 2010, 17, 243-257. | 2.5 | 12 |

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| 55 | Free vibration analysis of sandwich beam carrying sprung masses. International Journal of Mechanical Sciences, 2010, 52, 1620-1633. | 6.7 | 13 |
| 56 | Transient dynamic analysis of tapered FRP composite transmission poles using finite element method. Composite Structures, 2010, 92, 275-283. | 5.8 | 19 |
| 57 | Free vibration analysis of sandwich beams using improved dynamic stiffness method. Composite Structures, 2010, 92, 387-394. | 5.8 | 40 |
| 58 | Vibration of non-ideal simply supported laminated plate on an elastic foundation subjected to in-plane stresses. Composite Structures, 2010, 92, 1478-1484. | 5.8 | 18 |
| 59 | Free vibration response of composite sandwich cylindrical shell with flexible core. Composite Structures, 2010, 92, 1269-1281. | 5.8 | 74 |
| 60 | Dynamic response of pre-stressed fibre metal laminate (FML) circular cylindrical shells subjected to lateral pressure pulse loads. Composite Structures, 2010, 92, 1308-1317. | 5.8 | 36 |
| 61 | A mixed Ritz-DQ method for forced vibration of functionally graded beams carrying moving loads. Composite Structures, 2010, 92, 2497-2511. | 5.8 | 143 |
| 62 | Mechanical Behavior of Notched Plate Repaired with Polymer Composite and Smart Patches - Experimental Study. Journal of Reinforced Plastics and Composites, 2010, 29, 3021-3037. | 3.1 | 15 |
| 63 | Fatigue Behavior of Notched Aluminum Plates Repaired by Smart and Composite Patches. , 2010, , . | | 0 |
| 64 | Free Vibrations of Thick Rectangular Composite Plate with Uniformly Distributed Attached Mass Including Stiffness Effect. Journal of Composite Materials, 2010, 44, 2897-2918. | 2.4 | 7 |
| 65 | Mechanical Properties of Nanoclay Reinforced Epoxy Adhesive Bonded Joints Made with Composite Materials. Journal of Adhesion Science and Technology, 2010, 24, 1917-1928. | 2.6 | 45 |
| 66 | Creep analysis of fibre reinforced adhesives in single lap jointsâ€"Experimental study. International Journal of Adhesion and Adhesives, 2009, 29, 656-661. | 2.9 | 38 |
| 67 | Analysis and optimization of laminated composite circular cylindrical shell subjected to compressive axial and transverse transient dynamic loads. Thin-Walled Structures, 2009, 47, 970-983. | 5.3 | 13 |
| 68 | An experimental study on the Charpy impact response of cracked aluminum plates repaired with GFRP or CFRP composite patches. Composite Structures, 2009, 89, 270-274. | 5.8 | 24 |
| 69 | Transient dynamic response of initially stressed composite circular cylindrical shells under radial impulse load. Composite Structures, 2009, 89, 275-284. | 5.8 | 33 |
| 70 | Free vibration analysis of sandwich beam with FG core using the element free Galerkin method. Composite Structures, 2009, 90, 373-379. | 5.8 | 78 |
| 71 | Free vibration analysis of sandwich structures with a flexible functionally graded syntactic core. Composite Structures, 2009, 91, 229-235. | 5.8 | 63 |
| 72 | Analysis and optimization of smart hybrid composite plates subjected to low-velocity impact using the response surface methodology (RSM). Thin-Walled Structures, 2008, 46, 1204-1212. | 5.3 | 55 |

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|---|---|---|---|
| 73 | Experimental study of the influence of adhesive reinforcement in lap joints for composite structures subjected to mechanical loads. International Journal of Adhesion and Adhesives, 2008, 28, 436-444. | 2.9 | 61 |
| 74 | Numerical study of lap joints with composite adhesives and composite adherends subjected to in-plane and transverse loads. International Journal of Adhesion and Adhesives, 2008, 28, 411-418. | 2.9 | 33 |
| 75 | Dynamic Response of Smart Hybrid Composite Plate Subjected to Low-Velocity Impact. Journal of Composite Materials, 2007, 41, 2347-2370. | 2.4 | 16 |
| 76 | Analysis of fiber reinforced composite plates subjected to transverse impact in the presence of initial stresses. Composite Structures, 2007, 77, 263-268. | 5.8 | 37 |
| 77 | Effect of smart stiffening procedure on low-velocity impact response of smart structures. Journal of Materials Processing Technology, 2007, 190, 142-152. | 6.3 | 28 |
| 78 | Low-velocity impact response of active thin-walled hybrid composite structures embedded with SMA wires. Thin-Walled Structures, 2007, 45, 799-808. | 5.3 | 60 |
| 79 | A study of the mechanical properties of steel/aluminium/GRP laminates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 412, 137-140. | 5.6 | 88 |
| 80 | Transient dynamic response of composite circular cylindrical shells under radial impulse load and axial compressive loads. Thin-Walled Structures, 2005, 43, 1763-1786. | 5.3 | 58 |
| 81 | Tensile Properties of Clay/Polypropylene Nanocomposites at Cryogenic Temperature. Advanced Materials Research, 0, 488-489, 562-566. | 0.3 | 0 |