MohamadReza Zarastvand

List of Publications by Year
in descending order

20 papers	**815** citations	394421 **19** h-index	752698 **20** g-index
20 all docs	**20** docs citations	**20** times ranked	**224** citing authors

#	Article	IF	Citations
1	Multi objective optimization of sound transmission across laminated composite cylindrical shell lined with porous core investigating Non-dominated Sorting Genetic Algorithm. Aerospace Science and Technology, 2017, 69, 269-280.	4.8	90
2	The effect of nature of porous material on diffuse field acoustic transmission of the sandwich aerospace composite doubly curved shell. Aerospace Science and Technology, 2018, 78, 157-170.	4.8	78
3	Acoustic transmission through laminated composite cylindrical shell employing Third order Shear Deformation Theory in the presence of subsonic flow. Composite Structures, 2016, 157, 95-110.	5.8	60
4	Vibroacoustic behavior of orthotropic aerospace composite structure in the subsonic flow considering the Third order Shear Deformation Theory. Aerospace Science and Technology, 2018, 75, 227-236.	4.8	52
5	The influence of boundaries on sound insulation of the multilayered aerospace poroelastic composite structure. Aerospace Science and Technology, 2018, 80, 452-471.	4.8	47
6	Prediction of acoustic wave transmission features of the multilayered plate constructions: A review. Journal of Sandwich Structures and Materials, 2022, 24, 218-293.	3.5	42
7	Improvement of the low-frequency sound insulation of the poroelastic aerospace constructions considering Pasternak elastic foundation. Aerospace Science and Technology, 2021, 112, 106620.	4.8	41
8	Acoustic wave transmission characteristics of stiffened composite shell systems with double curvature. Composite Structures, 2022, 292, 115688.	5.8	39
9	Investigation of power transmission across laminated composite doubly curved shell in the presence of external flow considering shear deformation shallow shell theory. JVC/Journal of Vibration and Control, 2018, 24, 4492-4504.	2.6	36
10	Investigation of three-dimensional theory on sound transmission through compressed poroelastic sandwich cylindrical shell in various boundary configurations. Journal of Sandwich Structures and Materials, 2019, 21, 2313-2357.	3.5	35
11	Mechanism study and power transmission feature of acoustically stimulated and thermally loaded composite shell structures with double curvature. Composite Structures, 2021, 276, 114557.	5.8	35
12	State vector computational technique for three-dimensional acoustic sound propagation through doubly curved thick structure. Computer Methods in Applied Mechanics and Engineering, 2019, 352, 324-344.	6.6	33
13	Acoustic insulation characteristics of sandwich composite shell systems with double curvature: The effect of nature of viscoelastic core. JVC/Journal of Vibration and Control, 2023, 29, 1076-1090.	2.6	33
14	Radiated sound control from a smart cylinder subjected to piezoelectric uncertainties based on sliding mode technique using self-adjusting boundary layer. Aerospace Science and Technology, 2020, 106, 106141.	4.8	31
15	Multi-objective optimization approach on diffuse sound transmission through poroelastic composite sandwich structure. Journal of Sandwich Structures and Materials, 2021, 23, 1221-1252.	3.5	31
16	The effect of considering Pasternak elastic foundation on acoustic insulation of the finite doubly curved composite structures. Composite Structures, 2021, 256, 113064.	5.8	29
17	Hybrid control technique for vibroacoustic performance analysis of a smart doubly curved sandwich structure considering sensor and actuator layers. Journal of Sandwich Structures and Materials, 2021, 23, 1453-1480.	3.5	29
18	Wave transmission across laminated composite plate in the subsonic flow Investigating Two-variable Refined Plate Theory. Latin American Journal of Solids and Structures, 2018, 15, .	1.0	27

#	Article	IF	Citations
19	A robust optimum controller for suppressing radiated sound from an intelligent cylinder based on sliding mode method considering piezoelectric uncertainties. Journal of Intelligent Material Systems and Structures, 2019, 30, 3066-3079.	2.5	27
20	Investigating Hyperbolic Shear Deformation Theory on vibroacoustic behavior of the infinite Functionally Graded thick plate. Latin American Journal of Solids and Structures, 2019, 16, .	1.0	20