

# Amin Moslemi Petrudi

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

41  
citations

2258059

3  
h-index

1872680

6  
g-index

27  
all docs

27  
docs citations

27  
times ranked

16  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical study of the blast wave decrease using sandwich panel by granular materials core. <i>Defence Technology</i> , 2021, 17, 1660-1670.	4.2	11
2	Optimization and Experimental Investigation of the Ability of New Material from Aluminum Casting on Pumice Particles to Reduce Shock Wave. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2020, 64, 224-232.	1.4	6
3	Numerical and analytical simulation of ballistic projectile penetration due to high velocity impact on ceramic target. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 226-248.	0.9	6
4	Investigation of the Effects of Drilling on Mechanical Joints in Composite Structures. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 635, 012010.	0.3	2
5	Analytical Study of Free Vibrations of Fluid Coupling and Structure in Collision of Turbulent Fluid with FGM Plate. <i>International Journal of Heat and Technology</i> , 2021, 39, 145-154.	0.6	2
6	Analytical and Dynamic study of Pulled Mass Nonlinear Vibration by Two Cables using Newton's Harmonic Balance Method. <i>Technium: Romanian Journal of Applied Sciences and Technology</i> , 2020, 2, 79-86.	0.3	2
7	Validation and Optimization of Thermophysical Properties for Thermal Conductivity and Viscosity of Nanofluid Engine Oil using Neural Network. <i>Journal of Modeling and Simulation of Materials</i> , 2020, 3, 53-60.	1.1	2
8	Nonlinear vibration and dynamic response of nano composite conical tube by conveying fluid flow. <i>International Advanced Researches and Engineering Journal</i> , 2020, 4, 180-190.	0.8	2
9	Analytical Investigation of the Vibrational and Dynamic Response of Nano-Composite Cylindrical Shell Under Thermal Shock and Mild Heat Field by DQM Method. <i>Journal of Modeling and Simulation of Materials</i> , 2020, 3, 22-36.	1.1	2
10	Multi-objective Optimization to Increase Nusselt Number and Reduce Friction Coefficient of Water/Carbon Nanotubes via NSGA II using Response Surface Methodology. <i>Journal of Modeling and Simulation of Materials</i> , 2020, 3, 1-14.	1.1	2
11	Modeling and Multi-Objective Optimization of Thermophysical Properties for Thermal Conductivity and Reynolds number of CuO-Water Nanofluid using Artificial Neural Network.. <i>Journal of Research in Engineering and Applied Sciences</i> , 2020, 5, 123-128.	0.2	2
12	Investigating and Modeling the Factors Affecting Thermal Optimization and Dynamic Viscosity of Water Hybrid Nanofluid/Carbon Nanotubes via MOPSO using ANN. <i>Technium: Romanian Journal of Applied Sciences and Technology</i> , 2020, 2, 108-114.	0.3	1
13	Numerical and Experimental Analysis of Stacking Sequences Effects in Composite Mechanical Joints under Impact Loadings. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 457-473.	0.9	1
14	ANALYTICAL STUDY OF THE QUADRATIC NONLINEAR OSCILLATOR BY JACOBIN METHOD AND COMPARISON WITH NHBM METHOD. <i>Journal of Research in Engineering and Applied Sciences</i> , 2021, 6, 6-10.	0.2	0
15	Numerical and analytical study of seismic response of structural systems with new formulation using energy and impact methods. <i>E3S Web of Conferences</i> , 2021, 286, 04014.	0.5	0
16	Experimental Study of Fatigue Durability in Bending Effect on Welded Joints in Steel Profiles. <i>Metallurgical and Materials Engineering</i> , 0, , .	0.5	0
17	INVESTIGATION OF CRACK GROWTH BY LOADING FATIGUE DUE TO FLUID AND STRUCTURAL COUPLING VIBRATIONS IN THE JOINT OF THERMO WELDING IN GAS PIPELINE. <i>Journal of Research in Engineering and Applied Sciences</i> , 2020, 05, 28-37.	0.2	0
18	THE EFFECT OF ANGLES OF THE BUILDING CORNERS ON ITS PATTERN OF EXPLOSIVE LOADING OF SIDE FACES IN THE CASE OF THE EXTERNAL EXPLOSION. <i>Journal of Research in Engineering and Applied Sciences</i> , 2020, 05, 45-59.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Numerical and Analytical Study of Fatigue and Degradation in Multilayer Composite Plates. <i>Revue Des Composites Et Des Materiaux Avances</i> , 2020, 30, 61-68.	0.6	0
20	Analytical Study of Nonlinear Vibrations of the Tympanic Membrane by Homotopy Perturbation Method. <i>Technium: Romanian Journal of Applied Sciences and Technology</i> , 2020, 2, 187-192.	0.3	0
21	Investigation of Failure Criteria and Experimental Process of the Composite Specimen with Mechanical Joints under Tensile Loading. <i>Journal of Modern Materials</i> , 2020, 7, 54-67.	0.4	0
22	2. PARAMETRIC OPTIMIZATION AND CALCULATION OF VIBRATIONS INTRODUCED BY PROPULSION INSTALLATION. , 2020, , 15-28.		0
23	Experimental and numerical optimization study of shock wave damping in aluminum panel sandwich. <i>Frattura Ed Integrita Strutturale</i> , 2021, 15, 88-109.	0.9	0
24	Analytical Study of Nonlinear Vibrations of Marine Risers by Newton Harmonic Balance Method. <i>Journal of Advanced Mechanical Engineering Applications</i> , 2020, 2, .	0.1	0
25	Optimization and Numerical Analysis of the Ricochet of Conical Nose Projectile in the Collision with Ceramic-Aluminum Armor. <i>Journal of Advanced Mechanical Engineering Applications</i> , 2020, 2, .	0.1	0