

Heow Pueh Lee

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4492932/heow-pueh-lee-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

454
papers

10,517
citations

47
h-index

84
g-index

475
ext. papers

12,288
ext. citations

3.3
avg, IF

6.69
L-index

#	Paper	IF	Citations
454	PROPER ORTHOGONAL DECOMPOSITION AND ITS APPLICATIONS PART I: THEORY. <i>Journal of Sound and Vibration</i> , 2002 , 252, 527-544	3.9	430
453	A comparison of PCA, KPCA and ICA for dimensionality reduction in support vector machine. <i>Neurocomputing</i> , 2003 , 55, 321-336	5.4	349
452	Modeling and analysis of micro piezoelectric power generators for micro-electromechanical-systems applications. <i>Smart Materials and Structures</i> , 2004 , 13, 57-63	3.4	334
451	Thin plate theory including surface effects. <i>International Journal of Solids and Structures</i> , 2006 , 43, 4631-4647	3.647	330
450	Dynamic properties of flexural beams using a nonlocal elasticity model. <i>Journal of Applied Physics</i> , 2006 , 99, 073510	2.5	329
449	Application of nonlocal beam models for carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2007 , 44, 5289-5300	3.1	299
448	Particle swarm optimization-based algorithms for TSP and generalized TSP. <i>Information Processing Letters</i> , 2007 , 103, 169-176	0.8	267
447	An improved GA and a novel PSO-GA-based hybrid algorithm. <i>Information Processing Letters</i> , 2005 , 93, 255-261	0.8	237
446	Molecular dynamics simulation of a solid platinum nanowire under uniaxial tensile strain: Temperature and strain-rate effects. <i>Physical Review B</i> , 2005 , 72,	3.3	159
445	Molecular dynamics simulation of size and strain rate dependent mechanical response of FCC metallic nanowires. <i>Nanotechnology</i> , 2006 , 17, 3451-67	3.4	144
444	Investigation of hemodynamics in the development of dissecting aneurysm within patient-specific dissecting aneurismal aortas using computational fluid dynamics (CFD) simulations. <i>Journal of Biomechanics</i> , 2011 , 44, 827-36	2.9	137
443	Ant colony intelligence in multi-agent dynamic manufacturing scheduling. <i>Engineering Applications of Artificial Intelligence</i> , 2008 , 21, 73-85	7.2	136
442	Comparison of implicit and explicit finite element methods for dynamic problems. <i>Journal of Materials Processing Technology</i> , 2000 , 105, 110-118	5.3	129
441	Ballistic impact of a KEVLAR helmet: Experiment and simulations. <i>International Journal of Impact Engineering</i> , 2008 , 35, 304-318	4	124
440	Surface stress effects on the resonance properties of cantilever sensors. <i>Physical Review B</i> , 2005 , 72,	3.3	121
439	Parallel sequential minimal optimization for the training of support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 1039-49		111
438	Large scale molecular dynamics study of nanometric machining of copper. <i>Computational Materials Science</i> , 2007 , 41, 177-185	3.2	101

437	Particle swarm optimization based on dimensional learning strategy. <i>Swarm and Evolutionary Computation</i> , 2019 , 45, 33-51	9.8	91
436	Untethered soft robot capable of stable locomotion using soft electrostatic actuators. <i>Extreme Mechanics Letters</i> , 2018 , 21, 9-16	3.9	89
435	Nonlinear Dynamic Analysis of MEMS Switches by Nonlinear Modal Analysis. <i>Nonlinear Dynamics</i> , 2003 , 31, 243-256	5	88
434	Finite element analysis of free vibration of delaminated composite plates. <i>Composites Part B: Engineering</i> , 1995 , 5, 195-209		88
433	Assessment of septal deviation effects on nasal air flow: a computational fluid dynamics model. <i>Laryngoscope</i> , 2009 , 119, 1730-6	3.6	87
432	Nonlinear finite element simulations to elucidate the determinants of perforator patency in propeller flaps. <i>Annals of Plastic Surgery</i> , 2007 , 59, 672-8	1.7	85
431	Study of Materials Deformation in Nanometric Cutting by Large-scale Molecular Dynamics Simulations. <i>Nanoscale Research Letters</i> , 2009 , 4, 444-451	5	82
430	Dynamic Response of a Beam With Intermediate Point Constraints Subject to a Moving Load. <i>Journal of Sound and Vibration</i> , 1994 , 171, 361-368	3.9	81
429	Effect of Porosity on Mechanical Properties of 3D Printed Polymers: Experiments and Micromechanical Modeling Based on X-ray Computed Tomography Analysis. <i>Polymers</i> , 2019 , 11,	4.5	76
428	Cupping: from a biomechanical perspective. <i>Journal of Biomechanics</i> , 2006 , 39, 2183-93	2.9	76
427	PROPER ORTHOGONAL DECOMPOSITION AND ITS APPLICATIONS [PART II: MODEL REDUCTION FOR MEMS DYNAMICAL ANALYSIS. <i>Journal of Sound and Vibration</i> , 2002 , 256, 515-532	3.9	72
426	Modelling damage growth in composites subjected to impact and compression after impact. <i>Composite Structures</i> , 2017 , 168, 13-25	5.3	71
425	Model development and numerical simulation of electric-stimulus-responsive hydrogels subject to an externally applied electric field. <i>Biosensors and Bioelectronics</i> , 2004 , 19, 1097-107	11.8	70
424	Performance of an ant colony optimisation algorithm in dynamic job shop scheduling problems. <i>International Journal of Production Research</i> , 2009 , 47, 2903-2920	7.8	66
423	Strong and ductile nanolaminate composites combining metallic glasses and nanoglasses. <i>International Journal of Plasticity</i> , 2017 , 90, 231-241	7.6	61
422	A three-dimensional human head finite element model and power flow in a human head subject to impact loading. <i>Journal of Biomechanics</i> , 2006 , 39, 284-92	2.9	59
421	Clonal Selection Based Memetic Algorithm for Job Shop Scheduling Problems. <i>Journal of Bionic Engineering</i> , 2008 , 5, 111-119	2.7	58
420	Performance of an advanced combat helmet with different interior cushioning systems in ballistic impact: Experiments and finite element simulations. <i>International Journal of Impact Engineering</i> , 2012 , 50, 99-112	4	57

4 ¹⁹	Objective assessment of increase in breathing resistance of N95 respirators on human subjects. <i>Annals of Occupational Hygiene</i> , 2011 , 55, 917-21		56
4 ¹⁸	Finite element analysis of springback in L-bending of sheet metal. <i>Journal of Materials Processing Technology</i> , 2005 , 168, 296-302	5.3	56
4 ¹⁷	Dynamic response of a rotating timoshenko shaft subject to axial forces and moving loads. <i>Journal of Sound and Vibration</i> , 1995 , 181, 169-177	3.9	55
4 ¹⁶	On the relationship between failure mechanism and compression after impact (CAI) strength in composites. <i>Composite Structures</i> , 2017 , 182, 242-250	5.3	54
4 ¹⁵	Shear thickening fluid impregnated ballistic fabric composites for shock wave mitigation. <i>International Journal of Impact Engineering</i> , 2015 , 80, 143-151	4	54
4 ¹⁴	Dynamic response of a Timoshenko beam on a winkler foundation subjected to a moving mass. <i>Applied Acoustics</i> , 1998 , 55, 203-215	3.1	54
4 ¹³	Dynamic response of a cracked beam subject to a moving load. <i>Acta Mechanica</i> , 1994 , 106, 221-230	2.1	51
4 ¹²	Vibration of cracked rectangular plates including transverse shear deformation and rotary inertia. <i>Computers and Structures</i> , 1993 , 49, 715-718	4.5	51
4 ¹¹	Impacts of fluid dynamics simulation in study of nasal airflow physiology and pathophysiology in realistic human three-dimensional nose models. <i>Clinical and Experimental Otorhinolaryngology</i> , 2012 , 5, 181-7	3.4	48
4 ¹⁰	Evaluation and comparison of nasal airway flow patterns among three subjects from Caucasian, Chinese and Indian ethnic groups using computational fluid dynamics simulation. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 175, 62-9	2.8	47
4 ⁰⁹	Shock-induced localized amorphization in metallic nanorods with strain-rate-dependent characteristics. <i>Nano Letters</i> , 2006 , 6, 2260-7	11.5	47
4 ⁰⁸	Analysis of valveless micropumps with inertial effects. <i>Journal of Micromechanics and Microengineering</i> , 2003 , 13, 390-399	2	47
4 ⁰⁷	Aerodynamic effects of inferior turbinate surgery on nasal airflow--a computational fluid dynamics model. <i>Rhinology</i> , 2010 , 48, 394-400	7	47
4 ⁰⁶	Muco-ciliary transport: Effect of mucus viscosity, cilia beat frequency and cilia density. <i>Computers and Fluids</i> , 2011 , 49, 214-221	2.8	45
4 ⁰⁵	Transverse vibration of a Timoshenko beam acted on by an accelerating mass. <i>Applied Acoustics</i> , 1996 , 47, 319-330	3.1	45
4 ⁰⁴	Microstructure-based experimental and numerical investigations on the sound absorption property of open-cell metallic foams manufactured by a template replication technique. <i>Materials and Design</i> , 2018 , 137, 108-116	8.1	43
4 ⁰³	The variation of ice adhesion strength with substrate surface roughness. <i>Measurement Science and Technology</i> , 2010 , 21, 075701	2	43
4 ⁰²	Snoring source identification and snoring noise prediction. <i>Journal of Biomechanics</i> , 2007 , 40, 861-70	2.9	43

401	Exact solutions for simply supported functionally graded piezoelectric laminates by Stroh-like formalism. <i>Composite Structures</i> , 2006 , 72, 352-363	5.3	43
400	IMPROVED ELMAN NETWORKS AND APPLICATIONS FOR CONTROLLING ULTRASONIC MOTORS. <i>Applied Artificial Intelligence</i> , 2004 , 18, 603-629	2.3	43
399	Optofluidic variable-focus lenses for light manipulation. <i>Lab on A Chip</i> , 2012 , 12, 3810-5	7.2	41
398	An exact solution for functionally graded piezoelectric laminates in cylindrical bending. <i>International Journal of Mechanical Sciences</i> , 2005 , 47, 437-458	5.5	41
397	Crystallization of amorphous alloy during isothermal annealing: a molecular dynamics study. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 1493-1504	1.8	40
396	An Investigation of the Sound Absorption Properties of Flax/Epoxy Composites Compared with Glass/Epoxy Composites. <i>Journal of Natural Fibers</i> , 2017 , 14, 71-77	1.8	39
395	Passive and active interior noise control of box structures using the structural intensity method. <i>Applied Acoustics</i> , 2006 , 67, 112-134	3.1	38
394	Solving traveling salesman problems using generalized chromosome genetic algorithm. <i>Progress in Natural Science: Materials International</i> , 2008 , 18, 887-892	3.6	37
393	A computational fluid dynamics study on geometrical influence of the aorta on haemodynamics. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 43, 829-38	3	35
392	Changes of airflow pattern in inferior turbinate hypertrophy: a computational fluid dynamics model. <i>American Journal of Rhinology and Allergy</i> , 2009 , 23, 153-8	2.4	35
391	Numerical simulation of the effects of inferior turbinate surgery on nasal airway heating capacity. <i>American Journal of Rhinology and Allergy</i> , 2010 , 24, e118-22	2.4	35
390	Industrial applications of the ant colony optimization algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 31, 805-814	3.2	35
389	Recent trends in cancer incidence among Singapore Chinese. <i>International Journal of Cancer</i> , 1988 , 42, 159-66	7.5	35
388	Labyrinthine acoustic metastructures enabling broadband sound absorption and ventilation. <i>Applied Physics Letters</i> , 2020 , 116, 134103	3.4	34
387	Finite element modeling of nonlinear acoustics/ultrasonics for the detection of closed delaminations in composites. <i>Ultrasonics</i> , 2017 , 74, 89-98	3.5	34
386	Modified support vector novelty detector using training data with outliers. <i>Pattern Recognition Letters</i> , 2003 , 24, 2479-2487	4.7	33
385	Fundamental frequencies of annular plates with internal cracks. <i>Computers and Structures</i> , 1992 , 43, 1085-1089	4.9	33
384	Biomechanics of the deformity of septal L-Struts. <i>Laryngoscope</i> , 2010 , 120, 1508-15	3.6	32

- 383 Contact mechanics of surfaces with various models of roughness descriptions. *Wear*, **2001**, 249, 539-545 3.5 32
- 382 Strong and superplastic nanoglass. *Nanoscale*, **2015**, 7, 17404-9 7.7 31
- 381 A vibro-acoustic modulation method for the detection of delamination and kissing bond in composites. *Journal of Composite Materials*, **2016**, 50, 3089-3104 2.7 31
- 380 Finite element analysis of spring-back of V-bending sheet metal forming processes. *Journal of Materials Processing Technology*, **2004**, 148, 15-24 5.3 31
- 379 Buckling and dynamic stability of spinning pre-twisted beams under compressive axial loads. *International Journal of Mechanical Sciences*, **1994**, 36, 1011-1026 5.5 31
- 378 Finite element analysis for the evaluation of protective functions of helmets against ballistic impact. *Computer Methods in Biomechanics and Biomedical Engineering*, **2010**, 13, 537-50 2.1 30
- 377 Deformation of nasal septum during nasal trauma. *Laryngoscope*, **2010**, 120, 1931-9 3.6 30
- 376 Bus maintenance scheduling using multi-agent systems. *Engineering Applications of Artificial Intelligence*, **2004**, 17, 623-630 7.2 30
- 375 Structural intensity study of plates under low-velocity impact. *International Journal of Impact Engineering*, **2005**, 31, 957-975 4 30
- 374 Prediction of natural frequencies of rectangular plates with rectangular cutouts. *Computers and Structures*, **1990**, 36, 861-869 4.5 30
- 373 Acoustic Metamaterials: A Potential for Cabin Noise Control in Automobiles and Armored Vehicles. *International Journal of Applied Mechanics*, **2016**, 08, 1650072 2.4 29
- 372 Assessment of airflow ventilation in human nasal cavity and maxillary sinus before and after targeted sinonasal surgery: a numerical case study. *Respiratory Physiology and Neurobiology*, **2014**, 194, 29-36 2.8 29
- 371 Passive movement of human soft palate during respiration: A simulation of 3D fluid/structure interaction. *Journal of Biomechanics*, **2012**, 45, 1992-2000 2.9 29
- 370 Mechanical modeling of longitudinal oscillation ultrasonic motors and temperature effect analysis. *Smart Materials and Structures*, **2003**, 12, 514-523 3.4 29
- 369 A fast algorithm for three-dimensional potential fields calculation: fast Fourier transform on multipoles. *Journal of Computational Physics*, **2003**, 192, 244-261 4.1 29
- 368 A neural-network-based method of model reduction for the dynamic simulation of MEMS. *Journal of Micromechanics and Microengineering*, **2001**, 11, 226-233 2 29
- 367 An averaging method for accurately calibrating smartphone microphones for environmental noise measurement. *Applied Acoustics*, **2019**, 143, 222-228 3.1 29
- 366 Failure mechanisms in bioinspired helicoidal laminates. *Composites Science and Technology*, **2018**, 157, 99-106 8.6 28

365	Development and validation of two subject-specific finite element models of human head against three cadaveric experiments. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014 , 30, 397-415	2.6	28
364	Optimal partition algorithm of the RBF neural network and its application to financial time series forecasting. <i>Neural Computing and Applications</i> , 2005 , 14, 36-44	4.8	28
363	Dynamic stability of a tapered cantilever beam on an elastic foundation subjected to a follower force. <i>International Journal of Solids and Structures</i> , 1996 , 33, 1409-1424	3.1	28
362	Thermal-mechanical study of functionally graded dental implants with the finite element method. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 146-58	5.4	27
361	Diversion of energy flow near crack tips of a vibrating plate using the structural intensity technique. <i>Journal of Sound and Vibration</i> , 2006 , 296, 602-622	3.9	27
360	Wave Scattering from Fractal Surfaces. <i>Journal of Modern Optics</i> , 1995 , 42, 225-241	1.1	27
359	Broadband sound transmission loss of a large-scale membrane-type acoustic metamaterial for low-frequency noise control. <i>Applied Physics Letters</i> , 2017 , 111, 041903	3.4	26
358	Computer-Aided Analysis of the "Beautiful" Umbilicus. <i>Aesthetic Surgery Journal</i> , 2014 , 34, 748-56	2.4	26
357	Three-dimensional numerical simulations of human pulmonary cilia in the periciliary liquid layer by the immersed boundary method. <i>Computers and Fluids</i> , 2012 , 67, 130-137	2.8	26
356	Tunable optofluidic switch via hydrodynamic control of laminar flow rate. <i>Applied Physics Letters</i> , 2009 , 95, 114105	3.4	26
355	Finite element analysis of interference for the laterally coupled quartz crystal microbalances. <i>Sensors and Actuators A: Physical</i> , 2005 , 119, 90-99	3.9	26
354	Natural frequencies and modes for the flexural vibration of a cracked beam. <i>Applied Acoustics</i> , 1994 , 42, 151-163	3.1	26
353	Free vibration of composite rectangular plates with rectangular cutouts. <i>Composite Structures</i> , 1987 , 8, 63-81	5.3	26
352	A review of the implications of computational fluid dynamic studies on nasal airflow and physiology. <i>Rhinology</i> , 2010 , 48, 139-45	7	26
351	The perspective of fluid flow behavior of respiratory droplets and aerosols through the facemasks in context of SARS-CoV-2. <i>Physics of Fluids</i> , 2020 , 32, 111301	4.4	26
350	Ventilated acoustic metamaterial window panels for simultaneous noise shielding and air circulation. <i>Applied Acoustics</i> , 2020 , 159, 107088	3.1	26
349	On the improved ballistic performance of bio-inspired composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 123, 59-70	8.4	25
348	Plate-type acoustic metamaterial with cavities coupled via an orifice for enhanced sound transmission loss. <i>Applied Physics Letters</i> , 2018 , 112, 051903	3.4	25

347	Effects of inter-ply angles on the failure mechanisms in bioinspired helicoidal laminates. <i>Composites Science and Technology</i> , 2018 , 165, 282-289	8.6	25
346	Development and numerical characterization of a new standing wave ultrasonic motor operating in the 30-40kHz frequency range. <i>Ultrasonics</i> , 2013 , 53, 928-34	3.5	25
345	Thermoelastic damping in cylindrical shells with application to tubular oscillator structures. <i>International Journal of Mechanical Sciences</i> , 2008 , 50, 501-512	5.5	25
344	Free-vibration analysis of composite beams with multiple delaminations. <i>Composites Part B: Engineering</i> , 1994 , 4, 715-730		25
343	Free vibration of plates with stepped variations in thickness on non-homogeneous elastic foundations. <i>Journal of Sound and Vibration</i> , 1995 , 183, 533-545	3.9	25
342	Plate-type acoustic metamaterials: Evaluation of a large-scale design adopting modularity for customizable acoustical performance. <i>Applied Acoustics</i> , 2019 , 149, 156-170	3.1	24
341	Divergence and flutter of a cantilever rod with an intermediate spring support. <i>International Journal of Solids and Structures</i> , 1995 , 32, 1371-1382	3.1	24
340	Free vibration of composite plates with delaminations around cutouts. <i>Composite Structures</i> , 1995 , 31, 177-183	5.3	24
339	Environmental durability of carbon/flax fiber hybrid composites. <i>Composite Structures</i> , 2020 , 234, 111719	3.3	24
338	A Review on Acoustic Black-Holes (ABH) and the Experimental and Numerical Study of ABH-Featured 3D Printed Beams. <i>International Journal of Applied Mechanics</i> , 2017 , 09, 1750078	2.4	23
337	High resolution UV roll-to-roll nanoimprinting of resin moulds and subsequent replication via thermal nanoimprint lithography. <i>Nanotechnology</i> , 2012 , 23, 485310	3.4	23
336	A computational fluid dynamics model for drug delivery in a nasal cavity with inferior turbinate hypertrophy. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2010 , 23, 329-38	3.8	23
335	Indicators for the correct usage of intranasal medications: A computational fluid dynamics study. <i>Laryngoscope</i> , 2009 , 119, 1975-82	3.6	23
334	Dynamic stability of a radially rotating beam subjected to base excitation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1997 , 146, 265-279	5.7	23
333	Quartz crystal microbalance with rigid mass partially attached on electrode surfaces. <i>Sensors and Actuators A: Physical</i> , 2004 , 112, 203-210	3.9	23
332	Saliency Analysis of Support Vector Machines for Gene Selection in Tissue Classification. <i>Neural Computing and Applications</i> , 2003 , 11, 244-249	4.8	23
331	On the free vibration of stepped beams. <i>International Journal of Solids and Structures</i> , 1994 , 31, 3125-3137	3.7	23
330	Effects of septal perforation on nasal airflow: computer simulation study. <i>Journal of Laryngology and Otology</i> , 2010 , 124, 48-54	1.8	22

329	Free vibration of isotropic and orthotropic square plates with square cutouts subjected to in-plane forces. <i>Computers and Structures</i> , 1992 , 43, 431-437	4.5	22
328	Prediction of the mechanical behavior of flax polypropylene composites based on multi-scale finite element analysis. <i>Journal of Materials Science</i> , 2017 , 52, 4957-4967	4.3	21
327	Characterization and separation of Cryptosporidium and Giardia cells using on-chip dielectrophoresis. <i>Biomicrofluidics</i> , 2012 , 6, 12805-1280514	3.2	21
326	Can traditional "cupping" treatment cause a stroke?. <i>Medical Hypotheses</i> , 2010 , 74, 945-9	3.8	21
325	Effect of ultrasound on cyprids and juvenile barnacles. <i>Biofouling</i> , 2011 , 27, 185-92	3.3	21
324	Using 3D fluid-structure interaction model to analyse the biomechanical properties of erythrocyte. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 1357-1362	2.3	21
323	Computational simulation of the human head response to non-contact impact. <i>Computers and Structures</i> , 2008 , 86, 758-770	4.5	21
322	The structural intensities of composite plates with a hole. <i>Composite Structures</i> , 2004 , 65, 493-498	5.3	21
321	Dynamic stability of spinning pre-twisted beams subject to axial pulsating loads. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1995 , 127, 115-126	5.7	21
320	Aerodynamic characteristics inside the rhino-sinonasal cavity after functional endoscopic sinus surgery. <i>American Journal of Rhinology and Allergy</i> , 2011 , 25, 388-92	2.4	21
319	3D coupled Eulerian-Lagrangian finite element analysis of end milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 98, 849-857	3.2	21
318	The effect of cavitation bubbles on the removal of juvenile barnacles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 219-27	6	20
317	Drug delivery in the nasal cavity after functional endoscopic sinus surgery: a computational fluid dynamics study. <i>Journal of Laryngology and Otology</i> , 2012 , 126, 487-94	1.8	20
316	Applying Ant Colony Optimisation (ACO) algorithm to dynamic job shop scheduling problems. <i>International Journal of Manufacturing Research</i> , 2008 , 3, 301	0.4	20
315	The energy flow analysis in stiffened plates of marine structures. <i>Thin-Walled Structures</i> , 2004 , 42, 979-994	4.7	20
314	Structural intensity in plates with multiple discrete and distributed spring-dashpot systems. <i>Journal of Sound and Vibration</i> , 2004 , 276, 627-648	3.9	20
313	Investigation of the relationship between facial injuries and traumatic brain injuries using a realistic subject-specific finite element head model. <i>Accident Analysis and Prevention</i> , 2015 , 79, 13-32	6.1	19
312	An experimental study on shock wave mitigation capability of polyurea and shear thickening fluid based suspension pads. <i>Defence Technology</i> , 2018 , 14, 12-18	3	19

311	The Present and Future Role of Acoustic Metamaterials for Architectural and Urban Noise Mitigations. <i>Acoustics</i> , 2019 , 1, 590-607	2	19
310	Effect of accessory ostia on maxillary sinus ventilation: a computational fluid dynamics (CFD) study. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 183, 91-9	2.8	19
309	Constitutive model development and micro-structural topology optimisation for nafion hydrogel membranes with ionic clustering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 1181-96	3.5	19
308	Globally-optimal prediction-based adaptive mutation particle swarm optimization. <i>Information Sciences</i> , 2017 , 418-419, 186-217	7.7	18
307	A numerical study of muco-ciliary transport under the condition of diseased cilia. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 944-951	2.1	18
306	Inhibition of barnacle cyprid settlement using low frequency and intensity ultrasound. <i>Biofouling</i> , 2012 , 28, 131-41	3.3	18
305	Frequency response of a quartz crystal microbalance loaded by liquid drops. <i>Langmuir</i> , 2007 , 23, 7392-7	4	18
304	Contact modeling of viscoelastic friction layer of traveling wave ultrasonic motors. <i>Smart Materials and Structures</i> , 2001 , 10, 314-320	3.4	18
303	Body Wave Generation for Anguilliform Locomotion Using a Fiber-Reinforced Soft Fluidic Elastomer Actuator Array Toward the Development of the Eel-Inspired Underwater Soft Robot. <i>Soft Robotics</i> , 2020 , 7, 233-250	9.2	18
302	Direct FE2 for concurrent multilevel modelling of heterogeneous structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 360, 112694	5.7	18
301	The design and dynamic analysis of a lunar lander with semi-active control. <i>Acta Astronautica</i> , 2019 , 157, 145-156	2.9	18
300	Effect of interlayer carbon fiber dispersion on the low-velocity impact performance of woven flax-carbon hybrid composites. <i>Journal of Composite Materials</i> , 2019 , 53, 1717-1734	2.7	18
299	Material characterization of filament-wound composite pipes. <i>Composite Structures</i> , 2018 , 206, 474-483	5.3	18
298	Dynamic analysis of lunar lander during soft landing using explicit finite element method. <i>Acta Astronautica</i> , 2018 , 148, 69-81	2.9	17
297	Inspirational airflow patterns in deviated noses: a numerical study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013 , 16, 1298-306	2.1	17
296	Inhibitory effect of ultrasound on barnacle (<i>Amphibalanus amphitrite</i>) cyprid settlement. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011 , 409, 253-258	2.1	17
295	Design of a Geneva mechanism with curved slots using parametric polynomials. <i>Mechanism and Machine Theory</i> , 1998 , 33, 321-329	4	17
294	Structural intensity analysis of thin laminated composite plates subjected to thermally induced vibration. <i>Composite Structures</i> , 2007 , 78, 70-83	5.3	17

293	Successive approximation training algorithm for feedforward neural networks. <i>Neurocomputing</i> , 2002 , 42, 311-322	5.4	17
292	Dynamic response of a multi-span beam on one-sided point constraints subject to a moving load. <i>Computers and Structures</i> , 1995 , 55, 615-623	4.5	17
291	Effect of gravity on the stability of a rotating cantilever beam in a vertical plane. <i>Computers and Structures</i> , 1994 , 53, 351-355	4.5	17
290	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. <i>Small</i> , 2021 , 17, e2100336	11	17
289	Vibroacoustic behavior and noise control of flax fiber-reinforced polypropylene composites. <i>Journal of Natural Fibers</i> , 2019 , 16, 729-743	1.8	17
288	Control of a Soft Inchworm Robot With Environment Adaptation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3809-3818	8.9	17
287	Numerical simulation and clinical implications of stenosis in coronary blood flow. <i>BioMed Research International</i> , 2014 , 2014, 514729	3	16
286	EFFECTS OF BALLOON LENGTH AND COMPLIANCE ON VASCULAR STENT EXPANSION. <i>International Journal of Applied Mechanics</i> , 2010 , 02, 681-697	2.4	16
285	Generalized chromosome genetic algorithm for generalized traveling salesman problems and its applications for machining. <i>Physical Review E</i> , 2004 , 70, 016701	2.4	16
284	. <i>IEEE Transactions on Automation Science and Engineering</i> , 1995 , 11, 422-425		16
283	Recent Advances in Acoustic Metamaterials for Simultaneous Sound Attenuation and Air Ventilation Performances. <i>Crystals</i> , 2020 , 10, 686	2.3	16
282	The response of bio-inspired helicoidal laminates to small projectile impact. <i>International Journal of Impact Engineering</i> , 2020 , 142, 103608	4	15
281	Predominant patterns of median nerve displacement and deformation during individual finger motion in early carpal tunnel syndrome. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 1810-8	3.5	15
280	Assessments of nasal bone fracture effects on nasal airflow: A computational fluid dynamics study. <i>American Journal of Rhinology and Allergy</i> , 2011 , 25, e39-43	2.4	15
279	An optofluidic refractive index sensor based on partial refraction. <i>Sensors and Actuators B: Chemical</i> , 2010 , 147, 607-611	8.5	15
278	Effects of interface slip and viscoelasticity on the dynamic response of droplet quartz crystal microbalances. <i>Analytical Chemistry</i> , 2008 , 80, 7347-53	7.8	15
277	Study of the evaporation of colloidal suspension droplets with the quartz crystal microbalance. <i>Langmuir</i> , 2008 , 24, 8373-8	4	15
276	Automatic mesh-healing technique for model repair and finite element model generation. <i>Finite Elements in Analysis and Design</i> , 2007 , 43, 1109-1119	2.2	15

275	Developing parallel sequential minimal optimization for fast training support vector machine. <i>Neurocomputing</i> , 2006 , 70, 93-104	5.4	15
274	Prediction of noise inside tracked vehicles. <i>Applied Acoustics</i> , 2006 , 67, 74-91	3.1	15
273	NORMAL MODES OF A NON-LINEAR CLAMPED-CLAMPED BEAM. <i>Journal of Sound and Vibration</i> , 2002 , 250, 339-349	3.9	15
272	Dynamics of a beam moving over multiple supports. <i>International Journal of Solids and Structures</i> , 1993 , 30, 199-209	3.1	15
271	Recent Advances in Active Acoustic Metamaterials. <i>International Journal of Applied Mechanics</i> , 2019 , 11, 1950081	2.4	15
270	Assessment of noise from equipment and processes at construction sites. <i>Building Acoustics</i> , 2017 , 24, 21-34	1	14
269	Empirical concentration bounds for compressive holographic bubble imaging based on a Mie scattering model. <i>Optics Express</i> , 2015 , 23, 4715-25	3.3	14
268	Numerical evaluation of station-keeping strategies for stratospheric balloons. <i>Aerospace Science and Technology</i> , 2018 , 80, 288-300	4.9	14
267	Effect of helmet liner systems and impact directions on severity of head injuries sustained in ballistic impacts: a finite element (FE) study. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 641-662	3.1	14
266	Bio-Inspired Flexible Flapping Wings with Elastic Deformation. <i>Aerospace</i> , 2017 , 4, 37	2.5	14
265	Impact of complex blast waves on the human head: a computational study. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014 , 30, 1476-505	2.6	14
264	Modeling and Simulations of Flow Pattern, Chlorine Concentration, and Mean Age Distributions in Potable Water Service Reservoir of Singapore. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 575-584	2	14
263	Parametric instability of spinning pretwisted beams subjected to sinusoidal compressive axial loads. <i>Computers and Structures</i> , 1998 , 66, 745-764	4.5	14
262	Mechanical description of interfacial slips for quartz crystal microbalances with viscoelastic liquid loading. <i>Smart Materials and Structures</i> , 2003 , 12, 881-888	3.4	14
261	Vibration and critical speeds of a spinning annular disk of varying thickness. <i>Journal of Sound and Vibration</i> , 1995 , 187, 39-50	3.9	14
260	A theoretical and numerical study on the mechanics of vibro-acoustic modulation. <i>Journal of the Acoustical Society of America</i> , 2017 , 141, 2821	2.2	13
259	Multi-objective optimal design of sandwich panels using a genetic algorithm. <i>Engineering Optimization</i> , 2017 , 49, 1665-1684	2	13
258	Hybrid intelligent algorithm and its application in geological hazard risk assessment. <i>Neurocomputing</i> , 2015 , 149, 847-853	5.4	13

257	Shock wave impact behavior of flax fiber reinforced polymer composites. <i>Composites Part B: Engineering</i> , 2016 , 102, 78-85	10	13
256	Effects of Shear and Surface Roughness on Reducing the Attachment of <i>Oscillatoria</i> sp. Filaments on Substrates. <i>Water Environment Research</i> , 2012 , 84, 744-752	2.8	13
255	Computer-aided design and rapid prototyping-assisted contouring of costal cartilage graft for facial reconstructive surgery. <i>Craniomaxillofacial Trauma & Reconstruction</i> , 2012 , 5, 75-82	1.3	13
254	Enhanced kidney stone fragmentation by short delay tandem conventional and modified lithotripter shock waves: a numerical analysis. <i>Journal of Urology</i> , 2007 , 178, 314-9	2.5	13
253	Performance of noise barriers with random edge profiles. <i>Applied Acoustics</i> , 2001 , 62, 1157-1170	3.1	13
252	Dynamic response of delaminated composite beams with intermittent contact in delaminated segments. <i>Composites Part B: Engineering</i> , 1994 , 4, 1211-1224		13
251	Stability of a cantilever beam with tip mass subject to axial sinusoidal excitations. <i>Journal of Sound and Vibration</i> , 1995 , 183, 91-98	3.9	13
250	The performance of active noise-canceling headphones in different noise environments. <i>Applied Acoustics</i> , 2017 , 122, 16-22	3.1	12
249	Characterization of kidney stones using thermogravimetric analysis with electron dispersive spectroscopy. <i>Urological Research</i> , 2012 , 40, 197-204		12
248	Detecting solid-liquid interface properties with mechanical slip modelling for quartz crystal microbalance operating in liquid. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 898-906	3	12
247	Atomistic Simulations of Uniaxial Tensile Behaviors of Single-walled Carbon Nanotubes. <i>Molecular Simulation</i> , 2004 , 30, 543-547	2	12
246	Power flow paths in stiffened plates. <i>Journal of Sound and Vibration</i> , 2005 , 282, 1264-1272	3.9	12
245	Comparison between Traditional and Web-Based Interactive Manuals for Laboratory-Based Subjects. <i>International Journal of Mechanical Engineering Education</i> , 2002 , 30, 307-314	0.6	12
244	Effects of geometry and fillet radius on die stresses in stamping processes. <i>Journal of Materials Processing Technology</i> , 2000 , 104, 254-264	5.3	11
243	Effects of initial curvature on the dynamic stability of a beam with tip mass subjected to axial pulsating loads. <i>International Journal of Solids and Structures</i> , 1995 , 32, 3377-3392	3.1	11
242	Effects of Torsional and Bending Restraints of Intermediate Stiffeners on the Free Vibration of Rectangular Plates* *Communicated by N. Banichuk. <i>Mechanics Based Design of Structures and Machines</i> , 1995 , 23, 309-320		11
241	On the dynamic behaviour of a beam with an accelerating mass. <i>Archive of Applied Mechanics</i> , 1995 , 65, 564-571	2.2	11
240	DYNAMIC STABILITY OF SPINNING BEAMS OF UNSYMMETRICAL CROSS-SECTION WITH DISTINCT END CONDITIONS. <i>Journal of Sound and Vibration</i> , 1996 , 189, 161-171	3.9	11

239	Transverse vibration of a plate moving over multiple point supports. <i>Applied Acoustics</i> , 1996 , 47, 291-303	3.1	11
238	Effects of damping on the dynamic stability of a rod with an intermediate spring support subjected to follower forces. <i>Computers and Structures</i> , 1996 , 60, 31-39	4.5	11
237	Vibration and buckling of a stepped beam. <i>Applied Acoustics</i> , 1994 , 42, 257-266	3.1	11
236	Evaluation of rebreathed air in human nasal cavity with N95 respirator: a CFD study 2016 , 1, 15-18		11
235	Quieter propeller with serrated trailing edge. <i>Applied Acoustics</i> , 2019 , 146, 227-236	3.1	11
234	Parametric design and analysis on the landing gear of a planet lander using the response surface method. <i>Acta Astronautica</i> , 2018 , 148, 225-234	2.9	10
233	Thermal tuning of negative effective mass density in a two-dimensional acoustic metamaterial with hexagonal lattice. <i>Journal of Applied Physics</i> , 2019 , 126, 155102	2.5	10
232	Improving laminates through non-uniform inter-ply angles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 127, 105625	8.4	10
231	Shape effect on mixing and age distributions in service reservoirs. <i>Journal - American Water Works Association</i> , 2014 , 106, E481-E491	0.5	10
230	Anatomical characteristics of the thoracic aortic arch in an Asian population. <i>Asian Cardiovascular and Thoracic Annals</i> , 2013 , 21, 151-9	0.6	10
229	Do shapes and dimensions of scleral flap and sclerostomy influence aqueous outflow in trabeculectomy? A finite element simulation approach. <i>British Journal of Ophthalmology</i> , 2012 , 96, 432-7	5.5	10
228	Blind restoration of images degraded by space-variant blurs using iterative algorithms for both blur identification and image restoration. <i>Image and Vision Computing</i> , 1997 , 15, 399-410	3.7	10
227	DYNAMIC STABILITY OF SPINNING TIMOSHENKO SHAFTS WITH A TIME-DEPENDENT SPIN RATE. <i>Journal of Sound and Vibration</i> , 1997 , 199, 401-415	3.9	10
226	On the separation of a mass travelling on a beam with axial forces. <i>Mechanics Research Communications</i> , 1995 , 22, 371-376	2.2	10
225	Dynamic stability of a rod with an intermediate spring support subject to subtangential follower forces. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1995 , 125, 141-150	5.7	10
224	Dynamic stability of a moving rectangular plate subject to in-plane acceleration and force perturbations. <i>Applied Acoustics</i> , 1995 , 45, 47-59	3.1	10
223	Effect of transverse shear deformation and rotary inertia on the natural frequencies of rectangular plates with cutouts. <i>International Journal of Solids and Structures</i> , 1992 , 29, 1351-1359	3.1	10
222	Bio-Inspired Laminates of Different Material Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020 , 87,	2.7	10

221	A computational study of the EN 1078 impact test for bicycle helmets using a realistic subject-specific finite element head model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018 , 21, 684-692	2.1	10
220	A quasi-zero-stiffness device capable of vibration isolation and energy harvesting using piezoelectric buckled beams. <i>Energy</i> , 2021 , 233, 121146	7.9	10
219	Development of a soft untethered robot using artificial muscle actuators 2017 ,		9
218	Numerical studies on composite meta-material structure for mid to low frequency elastic wave mitigation. <i>Composite Structures</i> , 2018 , 195, 136-146	5.3	9
217	Vibration and noise attenuation performance of compounded periodic struts for helicopter gearbox system. <i>Journal of Sound and Vibration</i> , 2019 , 458, 407-425	3.9	9
216	Effects of Baffle Configurations on the Performance of a Potable Water Service Reservoir. <i>Journal of Environmental Engineering, ASCE</i> , 2012 , 138, 578-587	2	9
215	Mass transport in a microchannel enzyme reactor with a porous wall: Hydrodynamic modeling and applications. <i>Biochemical Engineering Journal</i> , 2010 , 52, 227-235	4.2	9
214	Numerical study on energy transmission for rotating hard disk systems by structural intensity technique. <i>International Journal of Mechanical Sciences</i> , 2004 , 46, 639-652	5.5	9
213	A parallel fast Fourier transform on multipoles (FFTM) algorithm for electrostatics analysis of three-dimensional structures. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2004 , 23, 1063-1072	2.5	9
212	Energy-trapping analysis for the bi-stepped mesa quartz crystal microbalance using the finite element method. <i>Smart Materials and Structures</i> , 2005 , 14, 272-280	3.4	9
211	Dynamic stability of spinning pre-twisted beams. <i>International Journal of Solids and Structures</i> , 1994 , 31, 2509-2517	3.1	9
210	Crowdsourcing of environmental noise map using calibrated smartphones. <i>Applied Acoustics</i> , 2020 , 160, 107130	3.1	9
209	On the effectiveness of incorporating shear thickening fluid with fumed silica particles in hip protectors. <i>Smart Materials and Structures</i> , 2018 , 27, 015021	3.4	8
208	Effect of ultrasound on cyprid footprint and juvenile barnacle adhesion on a fouling release material. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 115, 118-24	6	8
207	Natural Plant Fiber Composites-Constituent Properties and Challenges in Numerical Modeling and Simulations. <i>International Journal of Applied Mechanics</i> , 2017 , 09, 1750045	2.4	8
206	Mid-motion deformation of median nerve during finger flexion: a new insight into the dynamic aetiology of carpal tunnel syndrome. <i>Hand Surgery</i> , 2013 , 18, 193-202		8
205	Micro-light distribution system via optofluidic cascading prisms. <i>Microfluidics and Nanofluidics</i> , 2011 , 11, 451-458	2.8	8
204	Parametric instability of spinning pretwisted beams subjected to spin speed perturbation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1997 , 148, 139-163	5.7	8

203	Biomechanical effect of segmental scleral buckling surgery. <i>Current Eye Research</i> , 2007 , 32, 133-42	2.9	8
202	A stable adaptive neural-network-based scheme for dynamical system control. <i>Journal of Sound and Vibration</i> , 2005 , 285, 653-667	3.9	8
201	An equivalent genetic algorithm based on extended strings and its convergence analysis. <i>Information Sciences</i> , 2001 , 138, 119-135	7.7	8
200	Size optimization of cam mechanisms with translating roller followers. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 1998 , 212, 381-386	1.3	8
199	Damping effects on the dynamic stability of a rod subjected to intermediate follower loads. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1996 , 131, 147-157	5.7	8
198	Orientation conjugation of reflecting prism rotation and second-order approximation of image rotation. <i>Optical Engineering</i> , 1994 , 33, 2400	1.1	8
197	Vibration of a pretwisted spinning and axially moving beam. <i>Computers and Structures</i> , 1994 , 52, 595-601	4.5	8
196	Impact of inferior turbinate hypertrophy on the aerodynamic pattern and physiological functions of the turbulent airflow - a CFD simulation model. <i>Rhinology</i> , 2010 , 48, 163-8	7	8
195	Noise reduction capability of hybrid flax fabric-reinforced polypropylene-based composites. <i>Advanced Composite Materials</i> , 2019 , 28, 335-346	2.8	8
194	Applications of noise barriers with a slanted flat-tip jagged cantilever for noise attenuation on a construction site. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 5225-5232	2	8
193	Reduced-Order Modeling of Stratospheric Winds and Its Application in High-Altitude Balloon Trajectory Simulations. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 1753-1766	2.7	7
192	Conventional and complex modal analyses of a finite element model of human head and neck. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 961-973	2.1	7
191	Novel plenum window with sonic crystals for indoor noise control. <i>Applied Acoustics</i> , 2020 , 167, 107390	3.1	7
190	Environmental and sound divergence effects on the performance of rectangular sonic crystals with Helmholtz resonators. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 2483-2493	2	7
189	Contact Mechanics of Traveling Wave Ultrasonic Motors. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2634-2637		7
188	Comparison between effects of various partial inferior turbinectomy options on nasal airflow: a computer simulation study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013 , 16, 112-8	2.1	7
187	Preliminary Deformational Studies on a Finite Element Model of the Nasal Septum Reveals Key Areas for Septal Realignment and Reconstruction. <i>Journal of Medical Engineering</i> , 2013 , 2013, 250274		7
186	Mass transport in a microchannel bioreactor with a porous wall. <i>Journal of Biomechanical Engineering</i> , 2010 , 132, 061001	2.1	7

185	Design and finite element analysis of a new stack ultrasonic motor based on in-plane mode. <i>Smart Materials and Structures</i> , 2012 , 21, 115002	3.4	7
184	Melting behaviours of nickel nanorods. <i>European Physical Journal D</i> , 2008 , 50, 27-33	1.3	7
183	Modeling of contact with projections on rotor surfaces for ultrasonic traveling wave motors. <i>Smart Materials and Structures</i> , 2001 , 10, 860-866	3.4	7
182	Influence of Cam Motions on the Dynamic Behavior of Return Springs. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1998 , 120, 305-310	3	7
181	Vibration of symmetrically laminated rectangular composite plates reinforced by intermediate stiffeners. <i>Composite Structures</i> , 1994 , 29, 405-413	5.3	7
180	A New Family of Parameterized Polynomials for Cam Motion Synthesis. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1995 , 117, 653-655	3	7
179	Effects of axial base excitations on the dynamic stability of spinning pre-twisted cantilever beams. <i>Journal of Sound and Vibration</i> , 1995 , 185, 265-278	3.9	7
178	Dual-functional metamaterial with vibration isolation and heat flux guiding. <i>Journal of Sound and Vibration</i> , 2020 , 469, 115122	3.9	7
177	A Review of Active Noise Control Applications on Noise Barrier in Three-Dimensional/Open Space: Myths and Challenges. <i>Fluctuation and Noise Letters</i> , 2019 , 18, 1930002	1.2	7
176	Face shield design against blast-induced head injuries. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017 , 33, e2884	2.6	6
175	Elastic wave propagation in perforated plates with tetrad elliptical structural hierarchy: Numerical analysis and experimental verification. <i>Journal of Sound and Vibration</i> , 2019 , 448, 73-82	3.9	6
174	Experimental characterization and micromechanical-statistical modeling of 316L stainless steel processed by selective laser melting. <i>Computational Materials Science</i> , 2020 , 177, 109595	3.2	6
173	Multi-functional silicone stamps for reactive release agent transfer in UV roll-to-roll nanoimprinting. <i>Materials Horizons</i> , 2016 , 3, 152-160	14.4	6
172	A note on the viscous boundary layer in plate-type acoustic metamaterials with an internal tonraum resonator. <i>Applied Acoustics</i> , 2018 , 140, 160-166	3.1	6
171	Numerical Simulation and Assessment of the Effects of Operation and Baffling on a Potable Water Service Reservoir. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 341-348	2	6
170	A treatment for the study of dynamic instabilities of fluid-conveying pipes. <i>Mechanics Research Communications</i> , 2009 , 36, 742-746	2.2	6
169	Flutter of a cantilever rod with a relocatable lumped mass. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1997 , 144, 23-31	5.7	6
168	Further studies on edge waves in anisotropic elastic plates. <i>International Journal of Solids and Structures</i> , 2007 , 44, 2192-2208	3.1	6

167	Identification and speed control of ultrasonic motors based on neural networks. <i>Journal of Micromechanics and Microengineering</i> , 2003 , 13, 104-114	2	6
166	Contact analysis of impact in magnetic head disk interfaces. <i>Tribology International</i> , 2003 , 36, 49-56	4.9	6
165	Divergence of a rotating shaft with an intermediate support and conservative axial loads. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1993 , 110, 317-324	5.7	6
164	Sound insulation performance optimization of lightweight sandwich panels. <i>Journal of Vibroengineering</i> , 2016 , 18, 2574-2586	0.5	6
163	Wind load prediction on single tree with integrated approach of L-system fractal model, wind tunnel, and tree aerodynamic simulation. <i>AIP Advances</i> , 2020 , 10, 075202	1.5	6
162	Investigation of the effects of sample size on sound absorption performance of noise barrier. <i>Applied Acoustics</i> , 2020 , 157, 106989	3.1	6
161	A review of the application of active noise control technologies on windows: Challenges and limitations. <i>Applied Acoustics</i> , 2021 , 174, 107753	3.1	6
160	A Case Study of Recording Soundwalk of Miyajima and Itsukushima Shrine Using Smartphone. <i>Acoustics Australia</i> , 2018 , 46, 349-361	1.4	6
159	Modelling porous structures by penalty approach in the extended finite element method. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013 , 16, 347-57	2.1	5
158	Biomechanical study on the edge shapes for penetrating keratoplasty. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012 , 15, 1071-9	2.1	5
157	Effects of head size and morphology on dynamic responses to impact loading. <i>Medical and Biological Engineering and Computing</i> , 2007 , 45, 747-57	3.1	5
156	Healable bio-inspired helicoidal laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 137, 106024	8.4	5
155	The role of a composite polycarbonate-aerogel face shield in protecting the human brain from blast-induced injury: A fluid-structure interaction (FSI) study. <i>Journal of Sandwich Structures and Materials</i> , 2019 , 21, 2484-2511	2.1	5
154	Study on the structural optimization of a flapping wing micro air vehicle. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 57, 653-664	3.6	5
153	3D Eulerian Finite Element Modelling of End Milling. <i>Procedia CIRP</i> , 2018 , 77, 159-162	1.8	5
152	Low-Frequency Noise Reduction by Earmuffs with Flax Fibre-Reinforced Polypropylene Ear Cups. <i>Advances in Acoustics and Vibration</i> , 2018 , 2018, 1-10	0.8	5
151	Noise assessment of elevated rapid transit railway lines and acoustic performance comparison of different noise barriers for mitigation of elevated railway tracks noise. <i>Applied Acoustics</i> , 2021 , 183, 108340	3.1	5
150	Experimental study of the acoustical performance of a sonic crystal window in a reverberant sound field. <i>Building Acoustics</i> , 2017 , 24, 5-20	1	4

149	Surprisingly Popular Algorithm-Based Comprehensive Adaptive Topology Learning PSO 2019 ,		4
148	Performance of interlaminar flax-carbon hybrids under bending. <i>Procedia Manufacturing</i> , 2020 , 43, 658-665		4
147	Meso-scale tool breakage prediction based on finite element stress analysis for shoulder milling of hardened steel. <i>Journal of Manufacturing Processes</i> , 2020 , 55, 31-40	5	4
146	Passive and Active Methods for Enhancing Water Quality of Service Reservoir. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 745-753	1.8	4
145	Low-Frequency Noise Reduction by Earmuffs with Coir and Coir/Carbon Fibre-Reinforced Polypropylene Ear Cups. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1121	2.6	4
144	Three-dimensional finite element analysis of interfacial delamination in traveling wave ultrasonic motors. <i>International Journal of Damage Mechanics</i> , 2014 , 23, 964-978	3	4
143	Dynamic response of quartz crystal microbalances in contact with silicone oil droplets 2009 ,		4
142	Curvature Optimization of a Cam Mechanism With a Translating Flat-faced Follower. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1996 , 118, 446-449	3	4
141	Dynamic response of a human head to a foreign object impact. <i>IEEE Transactions on Biomedical Engineering</i> , 2008 , 55, 1226-9	5	4
140	An approach for the estimation of contact force on a human head induced by a foreign-object impact. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 956-8	5	4
139	A Hybrid Algorithm Based on PSO and SA and Its Application for Two-Dimensional Non-guillotine Cutting Stock Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 666-669	0.9	4
138	Study on optimization of agent initial positions in land combat simulation. <i>Progress in Natural Science: Materials International</i> , 2004 , 14, 257-261	3.6	4
137	Automatic hole repairing for cranioplasty using B ζ ier surface approximation. <i>Journal of Craniofacial Surgery</i> , 2005 , 16, 1076-84	1.2	4
136	Relations between structural intensity and J-integral. <i>Engineering Fracture Mechanics</i> , 2005 , 72, 1197-1202	4	4
135	Flexural vibration of an orthotropic rotating shaft moving over supports. <i>Journal of Sound and Vibration</i> , 1995 , 179, 347-357	3.9	4
134	Fundamental frequencies of polar orthotropic annular plates with sectorial cutouts. <i>Composite Structures</i> , 1992 , 21, 9-13	5.3	4
133	Transient response of a multi-span beam on non-symmetric piecewise-linear supports. <i>International Journal of Solids and Structures</i> , 1993 , 30, 3059-3071	3.1	4
132	Dynamic behavior of a vehicle with rear axle compliance steering. <i>Journal of Vibroengineering</i> , 2017 , 19, 4483-4497	0.5	4

131	Solving traveling salesman problems by genetic algorithms. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 135	3.6	4
130	Assessment of acoustical environment condition at urban landscape. <i>Applied Acoustics</i> , 2020 , 160, 107126	3.1	4
129	Field Experiment of a Sonic Crystal Window. <i>Fluctuation and Noise Letters</i> , 2018 , 17, 1850032	1.2	4
128	Reduction of Ceiling Fan Noise by Serrated Trailing Edge. <i>Fluctuation and Noise Letters</i> , 2018 , 17, 1850026	2.2	4
127	A domain decomposition method for stochastic analysis of acoustic fields with hybrid and localized uncertainties. <i>Wave Motion</i> , 2018 , 83, 121-133	1.8	4
126	Simultaneous energy harvesting and vibration isolation via quasi-zero-stiffness support and radially distributed piezoelectric cantilever beams. <i>Applied Mathematical Modelling</i> , 2021 , 100, 152-169	4.5	4
125	Sound absorption performance and mechanism of flexible PVA microperforated membrane. <i>Applied Acoustics</i> , 2022 , 185, 108420	3.1	4
124	Sound Quality Experiments in a Student Hostel with Newly Designed Sonic Crystal Window. <i>Acoustics Australia</i> , 2017 , 45, 505-514	1.4	3
123	Simulations of self-propelled anguilliform swimming using the immersed boundary method in OpenFOAM. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 438-452	4.5	3
122	Plate-Type Acoustic Metamaterials: Experimental Evaluation of a Modular Large-Scale Design for Low-Frequency Noise Control. <i>Acoustics</i> , 2019 , 1, 354-368	2	3
121	Theoretical study on the stimulated Brillouin scattering in a sub-wavelength anisotropic waveguide: acousto-optical coupling coefficients and effects of transverse anisotropies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 2599	1.7	3
120	Influence of ply blocking on tensile stiffness in woven flax-carbon hybrids. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 583-591	2.9	3
119	Feasibility of using computer simulation to predict the postoperative outcome of the minimally invasive Nuss procedure: Simulation prediction vs. postoperative clinical observation. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018 , 71, 1496-1506	1.7	3
118	Functional compartmental space: the missing link in the pathogenesis of carpal tunnel syndrome. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2013 , 1, 155-163	3.9	3
117	Newton's Laws and a Dynamic Force-Field Analogy for Analyzing Organizational Changes. <i>International Journal of Mechanical Engineering Education</i> , 2010 , 38, 277-285	0.6	3
116	Assessment of head injury of children due to golf ball impact. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010 , 13, 523-35	2.1	3
115	Numerical simulation of septal deviation effects in nasal flow 2009 ,		3
114	Finite Element Analysis of Mechanical Shock Responses of RF Connectors. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2003 , 125, 144-152	2	3

113	A fast Fourier transform on multipoles (FFTM) algorithm for solving Helmholtz equation in acoustics analysis. <i>Journal of the Acoustical Society of America</i> , 2004 , 116, 1362-71	2.2	3
112	Finite element analysis of thermal shock tests of RF connectors. <i>Journal of Materials Processing Technology</i> , 2005 , 168, 291-295	5.3	3
111	Experimentally fitting the attraction strength of an interface by the response of the thickness shear-mode acoustic wave sensor. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 1599-1607	3	3
110	Web-based metal forming advisory system for the finite element analysis of sheet metal bending. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2002 , 216, 39-45	2.4	3
109	Interactive Web-Based Manual for Laboratory Classes in Dynamics. <i>International Journal of Mechanical Engineering Education</i> , 2000 , 28, 213-220	0.6	3
108	Multichannel image restorations using an iterative algorithm in space domain. <i>Image and Vision Computing</i> , 1996 , 14, 389-400	3.7	3
107	Dynamic stability of a plate on multiple line and point supports subject to pulsating conservative in-plane loads. <i>Journal of Sound and Vibration</i> , 1995 , 185, 345-356	3.9	3
106	Buckling of annular plates with stepped variation in thickness. <i>Computers and Structures</i> , 1992 , 43, 635-644	4.4	3
105	Trends and ethnic variation in incidence and mortality from cancers of the colon and rectum in Singapore, 1968 to 1982. <i>Annals of the Academy of Medicine, Singapore</i> , 1987 , 16, 397-401	2.8	3
104	FluidStructure Interaction Effects on Free Vibration of Containerships. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2019 , 141,	1.5	3
103	Computation of structural intensity for plates with multiple cutouts. <i>Structural Engineering and Mechanics</i> , 2003 , 16, 627-641		3
102	A case study of recording soundwalk of Fushimi Inari shrine in Kyoto, Japan using smartphone. <i>Noise Mapping</i> , 2019 , 6, 94-102	4.8	3
101	Modal and dynamic responses of the human head-neck complex for impact applications. <i>Journal of Vibroengineering</i> , 2016 , 18, 4743-4755	0.5	3
100	Evaluation of Nasal Functions While Wearing N95 Respirator and Surgical Facemask. <i>Journal of Biosciences and Medicines</i> , 2014 , 02, 1-5	0.2	3
99	A novel periodic mono-material strut with geometrical discontinuity for helicopter cabin noise reduction. <i>Aerospace Science and Technology</i> , 2020 , 105, 105985	4.9	3
98	Bandgap Properties of Two-Layered Locally Resonant Phononic Crystals. <i>International Journal of Applied Mechanics</i> , 2020 , 12, 2050075	2.4	3
97	Studies on the sound absorption and transmission loss performances of wood-based, natural and waste materials. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021 , 37, 861-873	2	3
96	Water Uptake and Its Effects on Mechanical and Acoustic Properties of flax/polypropylene Composite. <i>Journal of Natural Fibers</i> , 2019 , 1-15	1.8	3

95	Experimental Investigations Into Nonlinear Vibro-Acoustics for Detection of Delaminations in a Composite Laminate. <i>Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems</i> , 2019 , 2,	0.9	3
94	Experimental study of wind load on tree using scaled fractal tree model. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2040087	1.1	3
93	Estimation of Wave Reflection Coefficient by Semi-Analytical Method in an Acoustic Black Hole Beam. <i>International Journal of Applied Mechanics</i> , 2020 , 12, 2050004	2.4	3
92	Effects of shear and surface roughness on reducing the attachment of <i>Oscillatoria</i> sp. filaments on substrates. <i>Water Environment Research</i> , 2012 , 84, 744-52	2.8	3
91	Environmental Noise Mitigation by Plenum Window with Sonic Crystals and Jagged Flap. <i>Fluctuation and Noise Letters</i> , 2019 , 18, 1950001	1.2	2
90	Damping Force Analysis and Optimization of a Lunar Lander with MRF. <i>Journal of Aerospace Engineering</i> , 2020 , 33, 04020004	1.4	2
89	Noise masking in high population country using sound of water fountain. <i>Applied Acoustics</i> , 2020 , 162, 107206	3.1	2
88	Fast computation for vibration study of partially submerged structures using low resolution hydrodynamic model. <i>Journal of Fluids and Structures</i> , 2019 , 91, 102756	3.1	2
87	Comparative studies of perceived vibration strength for commercial mobile phones. <i>Applied Ergonomics</i> , 2014 , 45, 807-10	4.2	2
86	Numerical Study on the Performance Enhancement of Ultrasonic Motors Using Single Crystalline Piezo-Materials. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2447-2450	2	2
85	A maze structure for sound attenuation. <i>Applied Acoustics</i> , 2017 , 115, 88-92	3.1	2
84	Effects of compressional waves on the response of quartz crystal microbalance in contact with silicone oil droplets. <i>Journal of Applied Physics</i> , 2009 , 105, 114909	2.5	2
83	Dynamic Stability of Spinning Beams with an Unsymmetrical Cross-Section and Distinct Boundary Conditions Subjected to Time-Dependent Spin Speed* *Communicated by P. Pedersen. <i>Mechanics Based Design of Structures and Machines</i> , 1997 , 25, 179-200		2
82	A method for the numerical computation of Hopf bifurcation. <i>Applied Mathematics and Computation</i> , 1997 , 86, 137-156	2.7	2
81	Computation speedup in the dynamic simulation of MEMS by macromodels. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 219-227	3.6	2
80	Solving constrained traveling salesman problems by genetic algorithms. <i>Progress in Natural Science: Materials International</i> , 2004 , 14, 631-637	3.6	2
79	A molecular dynamics simulation of hexagonal solid platinum nanowires. <i>Molecular Simulation</i> , 2005 , 31, 289-293	2	2
78	Motions with minimal base reactions for redundant manipulators. <i>Computers and Structures</i> , 1996 , 61, 651-656	4.5	2

77	Effects of support configuration on the parametric excitation of a plate. <i>International Journal of Solids and Structures</i> , 1994 , 31, 835-848	3.1	2
76	Relation between global velocity and local torque optimization of redundant manipulators. <i>Journal of Field Robotics</i> , 1994 , 11, 271-279		2
75	Determination of Beta-Amino-Isobutyric Acid in Urine and Serum using Pre-Column Derivatization Technique. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992 , 15, 1351-1360		2
74	Free vibration of isotropic and orthotropic rectangular plates with partially clamped edges. <i>Applied Acoustics</i> , 1992 , 35, 91-104	3.1	2
73	Vibration of an axially moving beam with a tip mass. <i>Mechanics Research Communications</i> , 1993 , 20, 391-397		2
72	COMBINING SUPPORT VECTOR MACHINE (SVR) WITH GENETIC ALGORITHM (GA) TO OPTIMIZE THE INITIAL POSITIONS OF AGENTS IN THE LAND COMBAT SIMULATION 2002 ,		2
71	Experimental and numerical studies of acoustical and ventilation performances of glass louver window. <i>Journal of Vibroengineering</i> , 2017 , 19, 699-706	0.5	2
70	. <i>Journal of Medical and Biological Engineering</i> , 2014 , 34, 144	2.2	2
69	A Modified Integer-Coding Genetic Algorithm for Job Shop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 373-380	0.9	2
68	Finite element analysis and experimental investigation on the mechanical behaviours of multifunctional sandwich structures embedded with batteries. <i>Advanced Composite Materials</i> , 1-16	2.8	2
67	Perspectives on the Sonic Environment and Noise Mitigations during the COVID-19 Pandemic Era. <i>Acoustics</i> , 2021 , 3, 493-506	2	2
66	Robust wheel wear detection for solid carbide grinding under strong noise interference: A new approach based on improved ensemble noise-reconstructed empirical mode decomposition. <i>Wear</i> , 2021 , 486-487, 204112	3.5	2
65	Characteristics of aircraft flypast noise around Singapore Changi international airport. <i>Applied Acoustics</i> , 2022 , 185, 108418	3.1	2
64	Acoustical performance of ventilated aluminum T-slot columns-based sonic cage. <i>Applied Acoustics</i> , 2022 , 193, 108779	3.1	2
63	Evaluating the feasibility of a novel Marking Breast Oncoplastic Surgery Simulator (MBOSS) as a training tool for marking: a randomised trial. <i>Gland Surgery</i> , 2020 , 9, 1227-1234	2.2	1
62	Effect of music from headphone on pedestrians. <i>Applied Acoustics</i> , 2020 , 169, 107485	3.1	1
61	Compact test apparatus for evaluation of flow erosion of marine coatings. <i>Review of Scientific Instruments</i> , 2015 , 86, 105115	1.7	1
60	Effects of crystal orientations of the facets on the structural stability of metallic Ni nanorods. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 795-800	2.3	1

59	Ant colony intelligence in agent coordination for dynamic manufacturing scheduling 2008 ,		1
58	Genetic algorithms in mesh optimization for visualization and finite element models. <i>Neural Computing and Applications</i> , 2006 , 15, 366-372	4.8	1
57	An Example of the Interaction between Virtual and Physical Experiments in Dynamics. <i>International Journal of Mechanical Engineering Education</i> , 2004 , 32, 93-99	0.6	1
56	Estimate of error bounds in the improved support vector regression. <i>Progress in Natural Science: Materials International</i> , 2004 , 14, 362-364	3.6	1
55	A FAST BOUNDARY ELEMENT METHOD FOR UNDERWATER ACOUSTICS. <i>Modern Physics Letters B</i> , 2005 , 19, 1679-1682	1.6	1
54	Analysis of Frictional Forces on a Rigid Body. <i>International Journal of Mechanical Engineering Education</i> , 2001 , 29, 73-82	0.6	1
53	Dynamics of an axially extending and rotating cantilever beam including the effect of gravity. <i>International Journal of Solids and Structures</i> , 1995 , 32, 1595-1606	3.1	1
52	Dynamic stability of a moving column subject to axial acceleration and force perturbations. <i>Engineering Computations</i> , 1995 , 12, 609-618	1.4	1
51	Optimum design of cam mechanisms with oscillating flat-face followers. <i>Mechanics Research Communications</i> , 1996 , 23, 181-187	2.2	1
50	Adaptive iterative approach for image restoration 1994 ,		1
49	Axisymmetric dynamic stability of an annular plate subject to pulsating conservative radial loads. <i>Applied Acoustics</i> , 1995 , 45, 167-179	3.1	1
48	Shock analysis of a new ultrasonic motor subjected to half-sine acceleration pulses. <i>Advances in Computational Design</i> , 2016 , 1, 357-370		1
47	Mitigating the toilet flush noise: A psychometric analysis of noise assessment and design of labyrinthine acoustic Meta-absorber for noise mitigation. <i>Journal of the Acoustical Society of America</i> , 2021 , 150, 3747	2.2	1
46	Computational analysis of the thermomechanical behavior of lightweight multifunctional photovoltaic sandwich structures. <i>Advanced Composite Materials</i> , 1-15	2.8	1
45	The sound of drumming for traditional Taiko drumming and lion dance. <i>Applied Acoustics</i> , 2022 , 185, 108434	3.1	1
44	Experimental and numerical studies on the design of a sonic crystal window. <i>Journal of Vibroengineering</i> , 2017 , 19, 2224-2233	0.5	1
43	Assessing Surgical Outcomes via Computational Fluid Dynamics (CFD) Analysis in Cleft Rhinoplasty. <i>Journal of Medical and Biological Engineering</i> , 2018 , 38, 634-645	2.2	1
42	Recording and Analyzing Carriage Noise of various High-Speed Rail Systems Using Smartphones. <i>Acoustics Australia</i> , 2020 , 48, 121-130	1.4	1

41	Solving Noise Pollution Issue Using Plenum Window with Perforated Thin Box. <i>Crystals</i> , 2020 , 10, 614	2.3	1
40	Equivalent theories and tension properties of semi-reentrant structures. <i>Meccanica</i> , 2021 , 56, 2053-2082.	2.1	1
39	Comparison of soundwalks in major European cities. <i>Applied Acoustics</i> , 2021 , 178, 108016	3.1	1
38	Determination of the equivalent properties of periodic heterogeneous composite plates using the structural genome approach. <i>International Journal of Computational Materials Science and Engineering</i> , 2019 , 08, 1950017	0.3	1
37	Characteristics of cabin noise of light rail systems. <i>Applied Acoustics</i> , 2021 , 182, 108234	3.1	1
36	Digitized Stress Function-Based Feed Rate Scheduling for Prevention of Mesoscale Tool Breakage during Milling Hardened Steel. <i>Metals</i> , 2021 , 11, 215	2.3	1
35	Comparison of Cabin Noise of Airport Express Rail Systems. <i>Acoustics</i> , 2022 , 4, 1-13	2	1
34	Will a buried composite pipeline system fail at its joints under the effects of overburden soil, pipe operating pressurization, and traffic loads?. <i>Journal of Composite Materials</i> , 2020 , 54, 2433-2448	2.7	0
33	Parametric Optimization of Local Resonant Sonic Crystals Window on Noise Attenuation by Using Taguchi Method and ANOVA Analysis. <i>Crystals</i> , 2022 , 12, 160	2.3	0
32	Proof-of-Concept Design for MPP Acoustic Absorbers with Elements of Art. <i>Designs</i> , 2021 , 5, 72	1.8	0
31	Large stroke tri-stable vibration energy harvester: Modelling and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2022 , 168, 108699	7.8	0
30	Effects of statistical pore characteristics on mechanical performance of selective laser melted parts: X-ray computed tomography and micromechanical modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 834, 142515	5.3	0
29	Acoustical Environment Studies in the Modern Urban University Campuses. <i>Acoustics</i> , 2022 , 4, 14-25	2	0
28	A unified quasi-three-dimensional solution for vibration analysis of rotating pre-twisted laminated composite shell panels. <i>Composite Structures</i> , 2022 , 282, 115072	5.3	0
27	Prediction of mechanical and thermal properties of particle reinforced hydrogel composites using the structural genome approach. <i>International Journal of Computational Materials Science and Engineering</i> , 2021 , 10, 2150004	0.3	0
26	Numerical and theoretical studies about in-plane impact properties of Semi-Reentrant structures. <i>Meccanica</i> , 2021 , 56, 2053-2082.	2.1	0
25	Urban Traffic Noise Mapping Using Building Simplification in the Panyu District of Guangzhou City, China. <i>Sustainability</i> , 2022 , 14, 4465	3.6	0
24	DLD: An Optimized Chinese Speech Recognition Model Based on Deep Learning. <i>Complexity</i> , 2022 , 2022, 1-8	1.6	0

23	Assessment of in-cabin noise of wide-body aircrafts.. <i>Applied Acoustics</i> , 2022 , 194, 108809	3.1	0
22	Numerical Modeling of Free-Surface Wave Effects on Flexural Vibration of Floating Structures. <i>International Journal of Computational Methods</i> , 2020 , 17, 1940016	1.1	
21	A non-invasive, patient-specific method for estimating detrusor bladder pressure. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2014 , 2, 4-11	0.9	
20	Similar Fracture Patterns in Human Nose and Gothic Cathedral. <i>Facial Plastic Surgery</i> , 2015 , 31, 553-60	1.2	
19	Finite element simulation of intra-carpal tunnel pressure: the effects of individual finger flexion and histological changes. <i>International Journal of Experimental and Computational Biomechanics</i> , 2015 , 3, 250		
18	Comparison of Two New T-Shape Standing-Wave Ultrasonic Motors. <i>Applied Mechanics and Materials</i> , 2013 , 446-447, 616-620	0.3	
17	Performance Enhancement of a Stack Ultrasonic Motor Using PZNPt Material. <i>Applied Mechanics and Materials</i> , 2013 , 446-447, 683-687	0.3	
16	Effects of Functional Endoscopic Sinus Surgery on Nasal Air Flow - A Computational Fluid Dynamics Study. <i>IFMBE Proceedings</i> , 2010 , 1447-1450	0.2	
15	The Study of a Parametrically Excited Nonlinear Mechanical System with the Continuation Method. <i>Nonlinear Dynamics</i> , 1997 , 14, 1-22	5	
14	A new handshaking of Tight-Binding and Molecular Dynamics in multi-scale simulation. <i>European Physical Journal B</i> , 2006 , 52, 155-162	1.2	
13	A computational-intelligence-based optimization of agents' initial positions in land combat simulation. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 620-625	3.6	
12	MOTIONS WITH MINIMAL JOINT SPEEDS AND JOINT ACCELERATIONS FOR REDUNDANT MANIPULATORS. <i>Engineering Optimization</i> , 1996 , 25, 277-294	2	
11	Global resolution of redundancy without optimization for redundant manipulators. <i>Mechanism and Machine Theory</i> , 1993 , 28, 43-52	4	
10	Analysis and Optimization of Damping Properties of Constrained Layer Damping Structures with Multilayers. <i>Shock and Vibration</i> , 2021 , 2021, 1-11	1.1	
9	A Hybrid Algorithm for Combining Forecasting Based on AFTER-PSO. <i>Lecture Notes in Computer Science</i> , 2004 , 942-943	0.9	
8	Cabin Noise of Metro Systems in Various Cities. <i>Communications in Computer and Information Science</i> , 2019 , 12-22	0.3	
7	RESEARCH AT THE INTERFACE OF MECHANICS AND MEDICINE (OTOLARYNGOLOGY AND HEAD INJURY STUDIES 2015 , 53-54		
6	Nonlinear Finite Element Analysis of Balloon Sinuplasty. <i>IFMBE Proceedings</i> , 2009 , 2552-2555	0.2	

- 5 Impact analysis of shoes using the structural intensity technique. *IFMBE Proceedings*, **2009**, 2081-2084 0.2
- 4 Mitigation of vibration of ship structure via local structural modifications. *Ships and Offshore Structures*,1-11 1.4
- 3 Sonic environment of Singapore Botanic Gardens and benchmarking with various urban gardens of the world. *Noise Mapping*, **2019**, 6, 83-93 4.8
- 2 An Improved Reflectance Prediction Model for Halftone Printing Dot Based on Monte Carlo Method. *International Journal of Computational Methods*,2141001 1.1
- 1 Psychoacoustic Analysis of Vacuum Cleaner Noise. *Acoustics*, **2021**, 3, 545-559 2