

Heow Pueh Lee

List of Publications by Year in Descending Order

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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	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
453	Large stroke tri-stable vibration energy harvester: Modelling and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2022 , 168, 108699	7.8	0
452	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
451	Acoustical Environment Studies in the Modern Urban University Campuses. <i>Acoustics</i> , 2022 , 4, 14-25	2	0
450	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
449	The sound of drumming for traditional Taiko drumming and lion dance. <i>Applied Acoustics</i> , 2022 , 185, 108434	3.1	1
448	Sound absorption performance and mechanism of flexible PVA microperforated membrane. <i>Applied Acoustics</i> , 2022 , 185, 108420	3.1	4
447	Characteristics of aircraft flypast noise around Singapore Changi international airport. <i>Applied Acoustics</i> , 2022 , 185, 108418	3.1	2
446	Urban Traffic Noise Mapping Using Building Simplification in the Panyu District of Guangzhou City, China. <i>Sustainability</i> , 2022 , 14, 4465	3.6	0
445	Comparison of Cabin Noise of Airport Express Rail Systems. <i>Acoustics</i> , 2022 , 4, 1-13	2	1
444	Acoustical performance of ventilated aluminum T-slot columns-based sonic cage. <i>Applied Acoustics</i> , 2022 , 193, 108779	3.1	2
443	DLD: An Optimized Chinese Speech Recognition Model Based on Deep Learning. <i>Complexity</i> , 2022 , 2022, 1-8	1.6	0
442	Assessment of in-cabin noise of wide-body aircrafts.. <i>Applied Acoustics</i> , 2022 , 194, 108809	3.1	0
441	Proof-of-Concept Design for MPP Acoustic Absorbers with Elements of Art. <i>Designs</i> , 2021 , 5, 72	1.8	0
440	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
439	Analysis and Optimization of Damping Properties of Constrained Layer Damping Structures with Multilayers. <i>Shock and Vibration</i> , 2021 , 2021, 1-11	1.1	
438	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

437	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
436	Equivalent theories and tension properties of semi-reentrant structures. <i>Meccanica</i> , 2021 , 56, 2053-2082.	1	1
435	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. <i>Small</i> , 2021 , 17, e2100336	11	17
434	Comparison of soundwalks in major European cities. <i>Applied Acoustics</i> , 2021 , 178, 108016	3.1	1
433	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
432	Perspectives on the Sonic Environment and Noise Mitigations during the COVID-19 Pandemic Era. <i>Acoustics</i> , 2021 , 3, 493-506	2	2
431	Psychoacoustic Analysis of Vacuum Cleaner Noise. <i>Acoustics</i> , 2021 , 3, 545-559	2	
430	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
429	Characteristics of cabin noise of light rail systems. <i>Applied Acoustics</i> , 2021 , 182, 108234	3.1	1
428	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
427	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
426	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
425	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
424	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
423	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	
422	Novel plenum window with sonic crystals for indoor noise control. <i>Applied Acoustics</i> , 2020 , 167, 107390	3.1	7
421	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
420	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

419	Performance of interlaminar flax-carbon hybrids under bending. <i>Procedia Manufacturing</i> , 2020 , 43, 658-665	4	4
418	Effect of music from headphone on pedestrians. <i>Applied Acoustics</i> , 2020 , 169, 107485	3.1	1
417	Damping Force Analysis and Optimization of a Lunar Lander with MRF. <i>Journal of Aerospace Engineering</i> , 2020 , 33, 04020004	1.4	2
416	Noise masking in high population country using sound of water fountain. <i>Applied Acoustics</i> , 2020 , 162, 107206	3.1	2
415	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
414	Labyrinthine acoustic metastructures enabling broadband sound absorption and ventilation. <i>Applied Physics Letters</i> , 2020 , 116, 134103	3.4	34
413	The response of bio-inspired helicoidal laminates to small projectile impact. <i>International Journal of Impact Engineering</i> , 2020 , 142, 103608	4	15
412	Bio-Inspired Laminates of Different Material Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020 , 87,	2.7	10
411	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
410	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
409	Direct FE2 for concurrent multilevel modelling of heterogeneous structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 360, 112694	5.7	18
408	Assessment of acoustical environment condition at urban landscape. <i>Applied Acoustics</i> , 2020 , 160, 107126	3.1	4
407	Recording and Analyzing Carriage Noise of various High-Speed Rail Systems Using Smartphones. <i>Acoustics Australia</i> , 2020 , 48, 121-130	1.4	1
406	Crowdsourcing of environmental noise map using calibrated smartphones. <i>Applied Acoustics</i> , 2020 , 160, 107130	3.1	9
405	Environmental durability of carbon/flax fiber hybrid composites. <i>Composite Structures</i> , 2020 , 234, 111719	9.3	24
404	Dual-functional metamaterial with vibration isolation and heat flux guiding. <i>Journal of Sound and Vibration</i> , 2020 , 469, 115122	3.9	7
403	Healable bio-inspired helicoidal laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 137, 106024	8.4	5
402	Bandgap Properties of Two-Layered Locally Resonant Phononic Crystals. <i>International Journal of Applied Mechanics</i> , 2020 , 12, 2050075	2.4	3

401	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
400	Recent Advances in Acoustic Metamaterials for Simultaneous Sound Attenuation and Air Ventilation Performances. <i>Crystals</i> , 2020 , 10, 686	2.3	16
399	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
398	Solving Noise Pollution Issue Using Plenum Window with Perforated Thin Box. <i>Crystals</i> , 2020 , 10, 614	2.3	1
397	Control of a Soft Inchworm Robot With Environment Adaptation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3809-3818	8.9	17
396	Ventilated acoustic metamaterial window panels for simultaneous noise shielding and air circulation. <i>Applied Acoustics</i> , 2020 , 159, 107088	3.1	26
395	Investigation of the effects of sample size on sound absorption performance of noise barrier. <i>Applied Acoustics</i> , 2020 , 157, 106989	3.1	6
394	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
393	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
392	Surprisingly Popular Algorithm-Based Comprehensive Adaptive Topology Learning PSO 2019 ,		4
391	Environmental Noise Mitigation by Plenum Window with Sonic Crystals and Jagged Flap. <i>Fluctuation and Noise Letters</i> , 2019 , 18, 1950001	1.2	2
390	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
389	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
388	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
387	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
386	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
385	The Present and Future Role of Acoustic Metamaterials for Architectural and Urban Noise Mitigations. <i>Acoustics</i> , 2019 , 1, 590-607	2	19
384	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

383	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
382	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
381	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
380	Improving laminates through non-uniform inter-ply angles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 127, 105625	8.4	10
379	Fluid-Structure Interaction Effects on Free Vibration of Containerships. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2019 , 141,	1.5	3
378	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
377	Cabin Noise of Metro Systems in Various Cities. <i>Communications in Computer and Information Science</i> , 2019 , 12-22	0.3	
376	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
375	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
374	Sonic environment of Singapore Botanic Gardens and benchmarking with various urban gardens of the world. <i>Noise Mapping</i> , 2019 , 6, 83-93	4.8	
373	Recent Advances in Active Acoustic Metamaterials. <i>International Journal of Applied Mechanics</i> , 2019 , 11, 1950081	2.4	15
372	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
371	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
370	The design and dynamic analysis of a lunar lander with semi-active control. <i>Acta Astronautica</i> , 2019 , 157, 145-156	2.9	18
369	Particle swarm optimization based on dimensional learning strategy. <i>Swarm and Evolutionary Computation</i> , 2019 , 45, 33-51	9.8	91
368	Noise reduction capability of hybrid flax fabric-reinforced polypropylene-based composites. <i>Advanced Composite Materials</i> , 2019 , 28, 335-346	2.8	8
367	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
366	Quieter propeller with serrated trailing edge. <i>Applied Acoustics</i> , 2019 , 146, 227-236	3.1	11

365	An averaging method for accurately calibrating smartphone microphones for environmental noise measurement. <i>Applied Acoustics</i> , 2019 , 143, 222-228	3.1	29
364	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
363	Vibroacoustic behavior and noise control of flax fiber-reinforced polypropylene composites. <i>Journal of Natural Fibers</i> , 2019 , 16, 729-743	1.8	17
362	Failure mechanisms in bioinspired helicoidal laminates. <i>Composites Science and Technology</i> , 2018 , 157, 99-106	8.6	28
361	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
360	Dynamic analysis of lunar lander during soft landing using explicit finite element method. <i>Acta Astronautica</i> , 2018 , 148, 69-81	2.9	17
359	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
358	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
357	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
356	Untethered soft robot capable of stable locomotion using soft electrostatic actuators. <i>Extreme Mechanics Letters</i> , 2018 , 21, 9-16	3.9	89
355	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
354	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
353	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
352	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
351	Numerical evaluation of station-keeping strategies for stratospheric balloons. <i>Aerospace Science and Technology</i> , 2018 , 80, 288-300	4.9	14
350	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
349	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
348	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

347	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
346	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
345	3D Eulerian Finite Element Modelling of End Milling. <i>Procedia CIRP</i> , 2018 , 77, 159-162	1.8	5
344	A Case Study of Recording Soundwalk of Miyajima and Itsukushima Shrine Using Smartphone. <i>Acoustics Australia</i> , 2018 , 46, 349-361	1.4	6
343	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
342	Field Experiment of a Sonic Crystal Window. <i>Fluctuation and Noise Letters</i> , 2018 , 17, 1850032	1.2	4
341	Reduction of Ceiling Fan Noise by Serrated Trailing Edge. <i>Fluctuation and Noise Letters</i> , 2018 , 17, 18500262	1.2	4
340	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
339	Material characterization of filament-wound composite pipes. <i>Composite Structures</i> , 2018 , 206, 474-483	5.3	18
338	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
337	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
336	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
335	The performance of active noise-canceling headphones in different noise environments. <i>Applied Acoustics</i> , 2017 , 122, 16-22	3.1	12
334	Modelling damage growth in composites subjected to impact and compression after impact. <i>Composite Structures</i> , 2017 , 168, 13-25	5.3	71
333	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
332	Strong and ductile nanolaminate composites combining metallic glasses and nanoglasses. <i>International Journal of Plasticity</i> , 2017 , 90, 231-241	7.6	61
331	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
330	Development of a soft untethered robot using artificial muscle actuators 2017 ,		9

329	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
328	Assessment of noise from equipment and processes at construction sites. <i>Building Acoustics</i> , 2017 , 24, 21-34	1	14
327	Face shield design against blast-induced head injuries. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017 , 33, e2884	2.6	6
326	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
325	Multi-objective optimal design of sandwich panels using a genetic algorithm. <i>Engineering Optimization</i> , 2017 , 49, 1665-1684	2	13
324	Sound Quality Experiments in a Student Hostel with Newly Designed Sonic Crystal Window. <i>Acoustics Australia</i> , 2017 , 45, 505-514	1.4	3
323	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
322	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
321	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
320	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
319	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
318	Globally-optimal prediction-based adaptive mutation particle swarm optimization. <i>Information Sciences</i> , 2017 , 418-419, 186-217	7.7	18
317	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
316	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
315	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
314	A maze structure for sound attenuation. <i>Applied Acoustics</i> , 2017 , 115, 88-92	3.1	2
313	Bio-Inspired Flexible Flapping Wings with Elastic Deformation. <i>Aerospace</i> , 2017 , 4, 37	2.5	14
312	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

311	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
310	Dynamic behavior of a vehicle with rear axle compliance steering. <i>Journal of Vibroengineering</i> , 2017 , 19, 4483-4497	0.5	4
309	Experimental and numerical studies on the design of a sonic crystal window. <i>Journal of Vibroengineering</i> , 2017 , 19, 2224-2233	0.5	1
308	Acoustic Metamaterials: A Potential for Cabin Noise Control in Automobiles and Armored Vehicles. <i>International Journal of Applied Mechanics</i> , 2016 , 08, 1650072	2.4	29
307	Shock wave impact behavior of flax fiber reinforced polymer composites. <i>Composites Part B: Engineering</i> , 2016 , 102, 78-85	10	13
306	A vibro-acoustic modulation method for the detection of delamination and kissing bond in composites. <i>Journal of Composite Materials</i> , 2016 , 50, 3089-3104	2.7	31
305	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
304	Shock analysis of a new ultrasonic motor subjected to half-sine acceleration pulses. <i>Advances in Computational Design</i> , 2016 , 1, 357-370		1
303	Evaluation of rebreathed air in human nasal cavity with N95 respirator: a CFD study 2016 , 1, 15-18		11
302	Sound insulation performance optimization of lightweight sandwich panels. <i>Journal of Vibroengineering</i> , 2016 , 18, 2574-2586	0.5	6
301	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
300	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
299	Shear thickening fluid impregnated ballistic fabric composites for shock wave mitigation. <i>International Journal of Impact Engineering</i> , 2015 , 80, 143-151	4	54
298	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
297	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
296	Strong and superplastic nanoglass. <i>Nanoscale</i> , 2015 , 7, 17404-9	7.7	31
295	Hybrid intelligent algorithm and its application in geological hazard risk assessment. <i>Neurocomputing</i> , 2015 , 149, 847-853	5.4	13
294	Similar Fracture Patterns in Human Nose and Gothic Cathedral. <i>Facial Plastic Surgery</i> , 2015 , 31, 553-60	1.2	

293	Compact test apparatus for evaluation of flow erosion of marine coatings. <i>Review of Scientific Instruments</i> , 2015 , 86, 105115	1.7	1
292	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		
291	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
290	RESEARCH AT THE INTERFACE OF MECHANICS AND MEDICINE [OTOLARYNGOLOGY AND HEAD INJURY STUDIES 2015 , 53-54		
289	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	
288	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
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