

# Jedol Dayou, J Dayou, Dayou, J

## List of Publications by Year in descending order

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75  
papers

609  
citations

687220

13  
h-index

677027

22  
g-index

81  
all docs

81  
docs citations

81  
times ranked

680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic classification of Australian anurans based on hybrid spectral-entropy approach. Applied Acoustics, 2011, 72, 639-645.	1.7	68
2	Frictional and Wear Behaviour of AlCrN, TiN, TiAlN Single-layer Coatings, and TiAlN/AlCrN, AlN/TiN Nano-multilayer Coatings in Dry Sliding. Procedia Engineering, 2013, 68, 512-517.	1.2	40
3	Fixed-points theory for global vibration control using vibration neutralizer. Journal of Sound and Vibration, 2006, 292, 765-776.	2.1	32
4	GLOBAL CONTROL OF STRUCTURAL VIBRATION USING MULTIPLE-TUNED TUNABLE VIBRATION NEUTRALIZERS. Journal of Sound and Vibration, 2002, 258, 345-357.	2.1	31
5	Review Paper on Cell Membrane Electroporation of Microalgae using Electric Field Treatment Method for Microalgae Lipid Extraction. IOP Conference Series: Materials Science and Engineering, 2015, 78, 012034.	0.3	28
6	GLOBAL CONTROL OF VIBRATION USING A TUNABLE VIBRATION NEUTRALIZER. Journal of Sound and Vibration, 2000, 232, 585-600.	2.1	27
7	Parameter identification of partially covered piezoelectric cantilever power scavenger based on the coupled distributed parameter solution. International Journal of Smart and Nano Materials, 2017, 8, 110-124.	2.0	27
8	Recent progresses in solar cells: Insight into hollow micro/nano-structures. Renewable and Sustainable Energy Reviews, 2016, 64, 543-568.	8.2	25
9	Increasing the bandwidth of the width-split piezoelectric energy harvester. Microelectronics Journal, 2012, 43, 484-491.	1.1	23
10	Increasing the output from piezoelectric energy harvester using width-split method with verification. International Journal of Precision Engineering and Manufacturing, 2013, 14, 2149-2155.	1.1	19
11	The effectiveness of palm oil methyl ester as lubricant additive in milling and four-ball tests. International Journal of Surface Science and Engineering, 2014, 8, 153.	0.4	16
12	The effects of width reduction on the damping of a cantilever beam and its application in increasing the harvesting power of piezoelectric energy harvester. Smart Materials and Structures, 2015, 24, 045006.	1.8	16
13	Analytical and experimental investigation of partially covered piezoelectric cantilever energy harvester. International Journal of Precision Engineering and Manufacturing, 2017, 18, 415-424.	1.1	15
14	Scaling the Operating Deflection Shapes Obtained from Scanning Laser Doppler Vibrometer. Journal of Nondestructive Evaluation, 2011, 30, 91-98.	1.1	14
15	Synthesis of Pyranopyrazoles Using Magnetically Recyclable Heterogeneous Iron Oxide@Silica Core@Shell Nanocatalyst. Journal of the Chinese Chemical Society, 2015, 62, 1155-1162.	0.8	14
16	Pathogenic Nature of Ganoderma boninense and Basal Stem Rot Disease. SpringerBriefs in Agriculture, 2017, , 5-12.	0.9	14
17	An optimized preparation of bismaleimide-diamine co-polymer matrices. Polymers for Advanced Technologies, 2014, 25, 673-683.	1.6	13
18	The Effect of Surface Modification of Silica Nanoparticles on the Morphological and Mechanical Properties of Bismaleimide/Diamine Matrices. Advances in Polymer Technology, 2015, 34, .	0.8	13

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19	Experimental verification of the optimal tuning of a tunable vibration neutralizer for global vibration control. <i>Applied Acoustics</i> , 2003, 64, 311-323.	1.7	11
20	Fruit based Dye Sensitized Solar Cells. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 217, 012003.	0.3	11
21	<i>In situ</i> FTIR analysis in determining possible chemical reactions for peroxide crosslinked LDPE in the presence of triallylcyanurate. <i>Functional Composites and Structures</i> , 2019, 1, 025003.	1.6	9
22	Experimental Investigation on the Effects of Audible Sound to the Growth of Escherichia coli. <i>Modern Applied Science</i> , 2009, 3, .	0.4	8
23	Plasmonic effect of bimetallic TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanoparticles in tellurite glass for surface-enhanced Raman scattering applications. <i>Journal of Luminescence</i> , 2022, 241, 118488.	1.5	8
24	A low frequency hybrid harvester with ring magnets. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 13, 23-30.	1.7	7
25	Missing Value Imputation for PM <sub>10</sub> Concentration in Sabah using Nearest Neighbour Method (NNM) and Expectation-Maximization (EM) Algorithm. <i>Asian Journal of Atmospheric Environment</i> , 2020, 14, 62-72.	0.4	7
26	Comparison of Power Output Between Fixed and Perpendicular Solar Photovoltaic PV Panel in Tropical Climate Region. <i>Advanced Science Letters</i> , 2017, 23, 1259-1263.	0.2	7
27	Mode shape reconstruction of an impulse excited structure using continuous scanning laser Doppler vibrometer and empirical mode decomposition. <i>Review of Scientific Instruments</i> , 2008, 79, 075103.	0.6	6
28	Dry Sliding Behaviour of AlCrN and TiN Coatings. <i>Advanced Materials Research</i> , 0, 576, 559-562.	0.3	6
29	MODELLING OF THE ELECTRICITY GENERATION FROM LIVING PLANTS. <i>Jurnal Teknologi (Sciences and Tj ETQq1 1 0,784314 rgBT /Overlock 1</i>	0.3	6
30	Development of a Near-Sea-Level Calibration Algorithm for Aerosol Optical Depth Measurement Using a Ground-Based Spectrometer. <i>Aerosol and Air Quality Research</i> , 2014, 14, 386-395.	0.9	6
31	Control of kinetic energy of a one-dimensional structure using multiple vibration neutralizers. <i>Journal of Sound and Vibration</i> , 2005, 281, 323-340.	2.1	5
32	Data Acquisition System for In Situ Monitoring of Chemoelectrical Potential in Living Plant Fuel Cells. <i>Journal of Biophysics</i> , 2016, 2016, 1-7.	0.8	5
33	Effect of incorporating different polyanilineâ€surface modified nanosilica content into polyurethaneâ€based quasiâ€solidâ€state electrolyte for dyeâ€sensitized solar cells. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49147.	1.3	5
34	Effect of Rice Husk Filler on the Structural and Dielectric Properties of Palm Oil as an Electrical Insulation Material. <i>Energies</i> , 2021, 14, 4921.	1.6	5
35	Global Control of Vibration Using a Tunable Vibration Neutraliser. <i>Noise and Vibration Worldwide</i> , 2001, 32, 16-23.	0.4	4
36	COMPARATIVE STUDIES OF CELL GROWTH OF FRESHWATER MICROALGA CHLORELLA SP. IN PHOTOAUTOTROPHIC, HETEROTROPHIC AND MIXOTROPHIC CULTURES. <i>Jurnal Teknologi (Sciences and) Tj ETQq0030 rgBT /Overlock 1</i>	0.3	4

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37	Parametric Model for Estimation of Mass Concentration based on Particle Count Distribution for Ambient Air Monitoring. Journal of Physics: Conference Series, 2019, 1358, 012042.	0.3	4
38	Synoptic analysis and mesoscale numerical modelling of heavy precipitation: a case study of flash flood event in Kota Kinabalu, Malaysia. Meteorology and Atmospheric Physics, 2020, 132, 181-201.	0.9	4
39	Derivation of the Fixed-Points Theory with Some Numerical Simulations for Global Vibration Control of Structure with Closely Spaced Natural Frequencies#. Mechanics Based Design of Structures and Machines, 2006, 34, 49-68.	3.4	3
40	Ground-Based Aerosol Optical Depth Measurement Using Sunphotometers. SpringerBriefs in Applied Sciences and Technology, 2014, , .	0.2	3
41	Fabrication and Analysis of Photoelectrochemical Properties of Dye Sensitized Solar Cell Using Local Borneon Natural Dye Extracts. Advanced Materials Research, 2015, 1107, 536-541.	0.3	3
42	The changes of oil palm roots cell wall lipids during pathogenesis of <i>Ganoderma boninense</i> . IOP Conference Series: Earth and Environmental Science, 2017, 77, 012014.	0.2	3
43	Sliding wear of electro-carburized mild steel with different microstructures. Tribology - Materials, Surfaces and Interfaces, 2021, 15, 213-228.	0.6	3
44	Breakdown Strength and Stability of Palm Oil Toughened with Natural Fibres as Liquid Insulation. , 2021, , .		3
45	Experimental Investigation on the Effects of Audible Sound to the Growth of <i>Aspergillus</i> Spp. Modern Applied Science, 2009, 3, .	0.4	2
46	Dye Sensitized Solar Cell Based on Polyethylene Glycol/4,4- <sup>TM</sup> -Diphenylmethane Diisocyanate Copolymer Quasi Solid State Electrolyte. Applied Mechanics and Materials, 0, 625, 140-143.	0.2	2
47	Morphological changes of <i>Ganoderma boninense</i> mycelia after challenged by <i>Trichoderma</i> and <i>Bacillus</i> . AIP Conference Proceedings, 2015, , .	0.3	2
48	Experimental assessment of Ocean Salinity and Temperature Energy Conversion (OSTEC) full-scale prototype. , 2016, , .		2
49	Current Detection Methods of <i>G. boninense</i> Infection in Oil Palm. SpringerBriefs in Agriculture, 2017, , 13-20.	0.9	2
50	Control Methods of <i>G. boninense</i> in Oil Palm Industry. SpringerBriefs in Agriculture, 2017, , 21-30.	0.9	2
51	Effect of Electrolysis Treatment Time, Field Strength and Recycling Flowrate on <i>Ankistrodesmus</i> sp. Lipid Extraction. ASM Science Journal, 0, 12, 1-18.	0.2	2
52	A Clamped Bar Model for the Sompton Vibrator. Archives of Acoustics, 2013, 38, 425-432.	0.9	2
53	Temporal Assessment on Variation of PM10 Concentration in Kota Kinabalu using Principal Component Analysis and Fourier Analysis. Current World Environment Journal, 2019, 14, 400-410.	0.2	2
54	Analysis and characterization of enhanced kinetic reaction on ozone generation using negative corona discharge. Journal of Physics Communications, 2020, 4, 075022.	0.5	2

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55	The fixed-points theory revisited with new applications. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1627-1634.	1.1	1
56	Sol Gel Synthesized Nanosilica as Photoanode Material for Dye Sensitized Solar Cells (DSSCs) System. Applied Mechanics and Materials, 0, 625, 110-113.	0.2	1
57	Vibrational Properties of Sundatang Soundboard. Archives of Acoustics, 2015, 39, 177-187.	0.9	1
58	Ground-Based Aerosol Optical Depth Measurements. SpringerBriefs in Applied Sciences and Technology, 2014, , 9-30.	0.2	1
59	Optimum tuning of a vibration neutralizer for global vibration control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2001, 215, 933-942.	1.1	1
60	A New Application of the Fixed-Points Theory for the Control of Kinetic Energy of a Continuous Structure. International Journal of Acoustics and Vibrations, 2005, 10, .	0.3	1
61	Information Theoretic Approach Based on Entropy for Classification of Bioacoustics Signals. , 2010, , .		0
62	Viscosity Model for Predicting the Power Output from Ocean Salinity and Temperature Energy Conversion System (OSTEC) Part 2: Computer Simulation. IOP Conference Series: Materials Science and Engineering, 2015, 88, 012067.	0.3	0
63	The effects of width reduction on cantilever type piezoelectric energy harvesters. , 2015, , .		0
64	Control of <i>G. boninense</i> Using Multi-biological Agents. SpringerBriefs in Agriculture, 2017, , 31-46.	0.9	0
65	Modification in Structural Properties of Erbium-doped Zinc “ Sodium Tellurite Glass: Effect of Bimetallic Cu/Ti Nanoparticles. Journal of Physics: Conference Series, 2019, 1358, 012037.	0.3	0
66	Tuning Optical and Structural Properties of Composite Glass: Effect of Rice Husk Fibre. Journal of Physics: Conference Series, 2019, 1358, 012044.	0.3	0
67	Tailoring Structural and Optical Properties of Composite Glass with Rice Husk Fibre (RHF) as Additive Materials. Journal of Physics: Conference Series, 2019, 1358, 012036.	0.3	0
68	Implementation of Perez-Dumortier Calibration Algorithm. SpringerBriefs in Applied Sciences and Technology, 2014, , 39-56.	0.2	0
69	Near-Sea-Level Langley Calibration Algorithm. SpringerBriefs in Applied Sciences and Technology, 2014, , 31-37.	0.2	0
70	INVESTIGATION ON THE POSSIBILITY OF USING ENTROPY APPROACH FOR CLASSIFICATION AND IDENTIFICATION OF FROG SPECIES. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	0
71	EFFECT OF FRETS TO SOUND FREQUENCY OF SUNDATANG. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
72	Variation over Time of the Perez Calibration Algorithm for Ground-Based Spectrometer. Acta Physica Polonica A, 2016, 130, 160-162.	0.2	0

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73	Design of High Voltage and High Frequency Pulse Generator Using DC Choke. Advanced Science Letters, 2017, 23, 11302-11305.	0.2	0
74	Development of a Quality Control and Cloud-screening Algorithm for Sun Photometry Langley Calibration. Asian Journal of Scientific Research, 2017, 11, 105-117.	0.3	0
75	Langley Calibration of Sunphotometer using Perez's Clearness Index at Tropical Climate. Aerosol and Air Quality Research, 2018, 18, 1103-1117.	0.9	0