

# Desmond Adair

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

430  
citations

1040056

9  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a circulating fluidized bed partial gasification process for co-production of metallurgical semi-coke and syngas and its integration with power plant for electricity production. International Journal of Coal Preparation and Utilization, 2022, 42, 899-924.	2.1	1
2	Pyrolysis characteristics of Kazakhstan coals in non-isothermal and isothermal conditions. International Journal of Coal Preparation and Utilization, 2022, 42, 254-274.	2.1	2
3	3D Hierarchical Nanocrystalline CuS Cathode for Lithium Batteries. Materials, 2021, 14, 1615.	2.9	9
4	Structural and Chemical Modifications Towards High-Performance of Triboelectric Nanogenerators. Nanoscale Research Letters, 2021, 16, 122.	5.7	40
5	Facile Synthesis of Binder-Free Three-Dimensional CuxS Nanoflowers for Lithium Batteries. Frontiers in Energy Research, 2020, 8, .	2.3	4
6	A Review of Piezoelectric PVDF Film by Electrospinning and Its Applications. Sensors, 2020, 20, 5214.	3.8	186
7	In-Plane Free Vibration Analysis of a Scimitar-Type Rotating Curved Beam Using the Adomian Modified Decomposition Method. Mathematical and Computational Applications, 2020, 25, 68.	1.3	0
8	Effect of Thrust on the Structural Vibrations of a Nonuniform Slender Rocket. Mathematical and Computational Applications, 2020, 25, 29.	1.3	0
9	Morphology and Dimension Variations of Copper Sulfide for High-Performance Electrode in Rechargeable Batteries: A Review. ACS Applied Energy Materials, 2020, 3, 11480-11499.	5.1	46
10	4D printing: a critical review of current developments, and future prospects. International Journal of Advanced Manufacturing Technology, 2019, 105, 701-717.	3.0	47
11	Free Vibrations with Large Amplitude of Axially Loaded Beams on an Elastic Foundation Using the Adomian Modified Decomposition Method. Shock and Vibration, 2019, 2019, 1-10.	0.6	3
12	An Efficient Strategy to Deliver Understanding of Both Numerical and Practical Aspects When Using Navier-Stokes Equations to Solve Fluid Mechanics Problems. Fluids, 2019, 4, 178.	1.7	3
13	Industry Perspective of Engineering Competencies in Different Socio-Economic Contexts â€“ a Comparative Study from Kuwait and Kazakhstan. , 2019, , .		0
14	Transitioning from diploma to degree â€“ impact on engineering studentsâ€™ self-efficacy, expectancies, values and self-regulation. European Journal of Engineering Education, 2018, 43, 771-787.	2.3	2
15	A power series solution for rotating nonuniform Eulerâ€™Bernoulli cantilever beams. JVC/Journal of Vibration and Control, 2018, 24, 3855-3864.	2.6	19
16	Vibration analysis of a uniform pre-twisted rotating Eulerâ€™Bernoulli beam using the modified Adomian decomposition method. Mathematics and Mechanics of Solids, 2018, 23, 1345-1363.	2.4	22
17	Vibrations of an Euler-Bernoulli Nanobeam on a Winkler/Pasternak-Type Elastic Foundation. , 2018, , .		0
18	Impact of PBL on engineering students' motivation in the GCC region: Case study. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Simulation of tapered rotating beams with centrifugal stiffening using the Adomian decomposition method. Applied Mathematical Modelling, 2016, 40, 3230-3241.	4.2	27
20	Managing the Interdisciplinary Approach to Engineering Design. International Journal of Mechanical Engineering Education, 2014, 42, 175-184.	1.0	3
21	Two consecutive Project-Based Learning engineering design courses - An analysis of portfolio assessment results. , 2014, , .		0
22	Building on a traditional chemical engineering curriculum using computational fluid dynamics. Education for Chemical Engineers, 2014, 9, e85-e93.	4.8	13