

# Thomas S Welles

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7462242/publications.pdf>

Version: 2024-02-01

14  
papers

62  
citations

1937685

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1720034

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14  
docs citations

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times ranked

44  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of in vitro corrosion products on CoCrMo generated via oscillatory electric fields before and after removal of proteinaceous layer. <i>Materialia</i> , 2022, 22, 101400.	2.7	0
2	Effects of Synthesis Gas Concentration, Composition, and Operational Time on Tubular Solid Oxide Fuel Cell Performance. <i>Sustainability</i> , 2022, 14, 7983.	3.2	3
3	Investigation of Rapid, Moderate Temperature Change Thermal Cycles of a Micro-Tubular Flame-Assisted Fuel Cell. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	2.1	3
4	Investigation of the effects of electrochemical reactions on complex metal tribocorrosion within the human body. <i>Heliyon</i> , 2021, 7, e07023.	3.2	6
5	The anode supported internal cathode tubular solid oxide fuel cell: Novel production of a cell geometry for combined heat and power applications. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 37429-37439.	7.1	5
6	Driving electrochemical corrosion of implanted CoCrMo metal via oscillatory electric fields without mechanical wear. <i>Scientific Reports</i> , 2021, 11, 22366.	3.3	2
7	Novel investigation of perovskite membrane based electrochemical nitric oxide control phenomenon. <i>Scientific Reports</i> , 2020, 10, 18750.	3.3	5
8	Investigation of Mycelium Growth Network As a Thermal Transpiration Membrane for Thermal Transpiration Based Pumping and Power Generation. , 2020, , .		1
9	Advancements of a Piston Engine and Electrochemical Combined Hybrid System for Unmanned Aerial Systems. , 2020, , .		0
10	Analysis of Current Hybrid-Electric Automobile Drivetrains and Proposal of an Alternative Powertrain. , 2020, , .		0
11	Performance investigation of a micro-tubular flame-assisted fuel cell stack with 3,000 rapid thermal cycles. <i>Journal of Power Sources</i> , 2018, 394, 86-93.	7.8	35
12	Investigation of Combined Compression-Ignition Combustion and Solid Oxide Fuel Cell System for High Efficiency Power Generation from Liquid Based Hydrocarbon Fuels. , 0, , .		0
13	Investigation of a Piston Engine and Solid Oxide Fuel Cell Combined Hybrid Modular Powerplant for Unmanned Aerial Vehicles. , 0, , .		1
14	A Novel Solid Oxide Fuel Cell Based Catalytic Converter Replacement for Enhanced Emission Control and Power Generation in Automotive Exhaust. , 0, , .		1