

# 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

4  
h-index

1720034

7  
g-index

14  
all docs

14  
docs citations

14  
times ranked

44  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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        |
| 2  | Investigation of the effects of electrochemical reactions on complex metal tribocorrosion within the human body. <i>Heliyon</i> , 2021, 7, e07023.   | 3.2 | 6         |
| 3  | Novel investigation of perovskite membrane based electrochemical nitric oxide control phenomenon. <i>Scientific Reports</i> , 2020, 10, 18750.   | 3.3 | 5         |
| 4  | 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         |
| 5  | 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         |
| 6  | 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         |
| 7  | Driving electrochemical corrosion of implanted CoCrMo metal via oscillatory electric fields without mechanical wear. <i>Scientific Reports</i> , 2021, 11, 22366.  | 3.3 | 2         |
| 8  | Investigation of a Piston Engine and Solid Oxide Fuel Cell Combined Hybrid Modular Powerplant for Unmanned Aerial Vehicles. , 0, , .   |     | 1         |
| 9  | Investigation of Mycelium Growth Network As a Thermal Transpiration Membrane for Thermal Transpiration Based Pumping and Power Generation. , 2020, , .   |     | 1         |
| 10 | A Novel Solid Oxide Fuel Cell Based Catalytic Converter Replacement for Enhanced Emission Control and Power Generation in Automotive Exhaust. , 0, , .   |     | 1         |
| 11 | Investigation of Combined Compression-Ignition Combustion and Solid Oxide Fuel Cell System for High Efficiency Power Generation from Liquid Based Hydrocarbon Fuels. , 0, , .  |     | 0         |
| 12 | Advancements of a Piston Engine and Electrochemical Combined Hybrid System for Unmanned Aerial Systems. , 2020, , .  |     | 0         |
| 13 | Analysis of Current Hybrid-Electric Automobile Drivetrains and Proposal of an Alternative Powertrain. , 2020, , .  |     | 0         |
| 14 | 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         |