

Zicheng Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

429
citations

759233

12
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

367
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | High-temperature and radiation-resistant spinel-type ferrite coating for thermo-optical conversion in radioisotope thermophotovoltaic generators. <i>Energy</i> , 2022, 239, 122255. | 8.8 | 8 |
| 2 | Comparison and study of the preparation methods for phosphor layer in nuclear battery. <i>International Journal of Energy Research</i> , 2021, 45, 11712-11720. | 4.5 | 10 |
| 3 | High-Performance Micro-Radioisotope Thermoelectric Generator with Large-Scale Integration of Multilayer Annular Arrays through Screen Printing and Stacking Coupling. <i>Energy Technology</i> , 2021, 9, 2001047. | 3.8 | 5 |
| 4 | A novel monitoring method for gamma irradiation facility based on radio-voltaic and photovoltaic effects. <i>Applied Radiation and Isotopes</i> , 2021, 173, 109703. | 1.5 | 0 |
| 5 | Electrodeposition preparation and optimization of fan-shaped miniaturized radioisotope thermoelectric generator. <i>Energy</i> , 2020, 194, 116873. | 8.8 | 12 |
| 6 | Thermal Emission-Enhanced and Optically Modulated Radioisotope Thermophotovoltaic Generators. <i>Energy Technology</i> , 2020, 8, 1901170. | 3.8 | 10 |
| 7 | Experimental optimization of small-scale structure-adjustable radioisotope thermoelectric generators. <i>Applied Energy</i> , 2020, 280, 115907. | 10.1 | 19 |
| 8 | Development of Micro-radioisotope Thermoelectric Power Supply for Deep Space Exploration Distributed Wireless Sensor Network. <i>Advances in Astronautics Science and Technology</i> , 2020, 3, 157-163. | 0.8 | 6 |
| 9 | Enhancing the performance of fully-scaled structure-adjustable 3D thermoelectric devices based on cold-press sintering and molding. <i>Energy</i> , 2020, 206, 118096. | 8.8 | 7 |
| 10 | Improving the performance of a screen-printed micro-radioisotope thermoelectric generator through stacking integration. <i>Journal of Power Sources</i> , 2019, 414, 509-516. | 7.8 | 28 |
| 11 | CsPbBr ₃ Quantum Dot Films with High Luminescence Efficiency and Irradiation Stability for Radioluminescent Nuclear Battery Application. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14191-14199. | 8.0 | 40 |
| 12 | Application of liquid scintillators as energy conversion materials in nuclear batteries. <i>Sensors and Actuators A: Physical</i> , 2019, 290, 162-171. | 4.1 | 13 |
| 13 | Enhanced novel dual effect isotope batteries: Optimization of material and structure. <i>International Journal of Energy Research</i> , 2019, 43, 6389-6395. | 4.5 | 2 |
| 14 | Fan-Shaped Flexible Radioisotope Thermoelectric Generators Based on Bi ₂ Tey and Bi ₂ Sb ₂ Tey Fabricated Through Electrochemical Deposition. <i>Energy Technology</i> , 2019, 7, 1800707. | 3.8 | 9 |
| 15 | Multi-level radioisotope batteries based on ⁶⁰ Co ^β source and Radio-voltaic/Radio-photovoltaic dual effects. <i>Sensors and Actuators A: Physical</i> , 2018, 275, 119-128. | 4.1 | 13 |
| 16 | Enhanced radioluminescent nuclear battery by optimizing structural design of the phosphor layer. <i>International Journal of Energy Research</i> , 2018, 42, 1729-1737. | 4.5 | 20 |
| 17 | Preparation and optimization of miniaturized radioisotope thermoelectric generator based on concentric filament architecture. <i>Journal of Power Sources</i> , 2018, 407, 14-22. | 7.8 | 23 |
| 18 | Screen-printed radial structure micro radioisotope thermoelectric generator. <i>Applied Energy</i> , 2018, 225, 746-754. | 10.1 | 62 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | High-performance and integrated design of thermoelectric generator based on concentric filament architecture. <i>Journal of Power Sources</i> , 2018, 393, 161-168. | 7.8 | 23 |
| 20 | ZnS:Cu Phosphor Layers as Energy Conversion Materials for Nuclear Batteries: A Combined Theoretical and Experimental Study of Their Geometric Structure. <i>Energy Technology</i> , 2017, 5, 1638-1646. | 3.8 | 13 |
| 21 | A study on the degradation of dye-sensitized solar cells irradiated by two different dose rates of I^{137} -rays. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 609-614. | 1.5 | 3 |
| 22 | A stacked and miniaturized radioisotope thermoelectric generator by screen printing. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 496-504. | 4.1 | 16 |
| 23 | X-ray radioluminescence effect of all-inorganic halide perovskite CsPbBr ₃ quantum dots. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 2327-2337. | 1.5 | 45 |
| 24 | Experimental prototype and simulation optimization of micro-radial milliwatt-power radioisotope thermoelectric generator. <i>Applied Thermal Engineering</i> , 2017, 125, 425-431. | 6.0 | 42 |