

Chen Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3676994/publications.pdf>

Version: 2024-02-01

29
papers

563
citations

687363

13
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

518
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Wave power extraction for an oscillating water column device consisting of a surging front and back lip-wall: An analytical study. <i>Renewable Energy</i> , 2022, 184, 100-114. | 8.9 | 8 |
| 2 | Inclusion of a pitching mid-wall for a dual-chamber oscillating water column wave energy converter device. <i>Renewable Energy</i> , 2022, 185, 1177-1191. | 8.9 | 3 |
| 3 | Semi-analytical study on an integrated-system with separated heaving OWC and breakwater: Structure size optimization and gap resonance utilization. <i>Ocean Engineering</i> , 2022, 245, 110319. | 4.3 | 12 |
| 4 | Design of a large-range rotary microgripper with freeform geometries using a genetic algorithm. <i>Microsystems and Nanoengineering</i> , 2022, 8, 3. | 7.0 | 10 |
| 5 | A novel dual-chamber oscillating water column system with dual lip-wall pitching motions for wave energy conversion. <i>Energy</i> , 2022, 246, 123319. | 8.8 | 5 |
| 6 | Performance enhancement for a dual-chamber OWC conceived from side wall effects in narrow flumes. <i>Ocean Engineering</i> , 2022, 247, 110552. | 4.3 | 13 |
| 7 | Hydrodynamic performance of a heaving oscillating water column device restrained by a spring-damper system. <i>Renewable Energy</i> , 2022, 187, 331-346. | 8.9 | 1 |
| 8 | A MemS Electro-Mechanical Co-Optimization Platform Featuring Freeform Geometry Optimization Based on a Genetic Algorithm. , 2022, , . | | 0 |
| 9 | A heaving system with two separated oscillating water column units for wave energy conversion. <i>Physics of Fluids</i> , 2022, 34, . | 4.0 | 21 |
| 10 | A Projective and Discriminative Dictionary Learning for High-Dimensional Process Monitoring With Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 558-568. | 11.3 | 62 |
| 11 | Genetic Algorithm for the Design of Freeform Geometries in a Large-Range Rotary Microgripper. , 2021, , . | | 1 |
| 12 | A MemS Accelerometer with an Auto-Tuning System Based on an Electrostatic Anti-Spring. , 2021, , . | | 4 |
| 13 | Hydrodynamic performance of an offshore Oscillating Water Column device mounted over an immersed horizontal plate: A numerical study. <i>Energy</i> , 2021, 222, 119964. | 8.8 | 34 |
| 14 | Wave power extraction analysis on a dual-chamber oscillating water column device composed by two separated units: An analytical study. <i>Applied Ocean Research</i> , 2021, 111, 102634. | 4.1 | 19 |
| 15 | Theoretical analysis on hydrodynamic performance for a dual-chamber oscillating water column device with a pitching front lip-wall. <i>Energy</i> , 2021, 226, 120326. | 8.8 | 17 |
| 16 | Semi-analytical study on the wave power extraction of a bottom-seated oscillating water column device with a pitching front lip-wall. <i>Journal of Fluids and Structures</i> , 2021, 105, 103350. | 3.4 | 16 |
| 17 | Numerical investigation on the wave power extraction for a 3D dual-chamber oscillating water column system composed of two closely connected circular sub-units. <i>Applied Energy</i> , 2021, 295, 117009. | 10.1 | 23 |
| 18 | Wave power extraction analysis for an oscillating water column device with various surging lip-walls. <i>Ocean Engineering</i> , 2021, 220, 108483. | 4.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Numerical simulation of an oscillating water column device installed over a submerged breakwater. <i>Journal of Marine Science and Technology</i> , 2020, 25, 258-271. | 2.9 | 18 |
| 20 | Micromachined Accelerometers with Sub- $\mu\text{g}/\text{s}^2$ Noise Floor: A Review. <i>Sensors</i> , 2020, 20, 4054. | 3.8 | 56 |
| 21 | Design of freeform geometries in a MEMS accelerometer with a mechanical motion preamplifier based on a genetic algorithm. <i>Microsystems and Nanoengineering</i> , 2020, 6, 104. | 7.0 | 12 |
| 22 | Numerical Investigation of Dual-OWC-Devices System Composed by Offshore and Onshore Unit. , 2020, , 107-114. | | 0 |
| 23 | Hydrodynamic performance of an offshore-stationary OWC device with a horizontal bottom plate: Experimental and numerical study. <i>Energy</i> , 2019, 187, 115941. | 8.8 | 46 |
| 24 | Wave Scattering by Twin Surface-Piercing Plates Over A Stepped Bottom: Trapped Wave Energy and Energy Loss. <i>China Ocean Engineering</i> , 2019, 33, 398-411. | 1.6 | 3 |
| 25 | Genetic Algorithm for the Design of Freeform Geometries in a MEMS Accelerometer Comprising a Mechanical Motion Pre-Amplifier. , 2019, , . | | 4 |
| 26 | Wave Power Extraction from a Dual Oscillating-Water- Column System Composed of Heave-Only and Onshore Units. <i>Energies</i> , 2019, 12, 1742. | 3.1 | 15 |
| 27 | Scattering of Oblique Water Waves by Two Unequal Surface-Piercing Vertical Thin Plates with Stepped Bottom Topography. <i>China Ocean Engineering</i> , 2018, 32, 524-535. | 1.6 | 10 |
| 28 | Highly Selective Electrochemical Reduction of Dinitrogen to Ammonia at Ambient Temperature and Pressure over Iron Oxide Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 18494-18501. | 3.3 | 129 |
| 29 | Second-moment closure modelling of turbulence in a non-inertial frame. <i>Fluid Dynamics Research</i> , 1997, 20, 43-65. | 1.3 | 6 |