

# Chen Wang

## List of Publications by Year in descending order

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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	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
2	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
3	Micromachined Accelerometers with Sub- $\mu\text{g}/\text{s}^2$ Noise Floor: A Review. <i>Sensors</i> , 2020, 20, 4054.	3.8	56
4	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
5	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
6	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
7	A heaving system with two separated oscillating water column units for wave energy conversion. <i>Physics of Fluids</i> , 2022, 34, .	4.0	21
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Second-moment closure modelling of turbulence in a non-inertial frame. <i>Fluid Dynamics Research</i> , 1997, 20, 43-65.	1.3	6
21	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
22	Genetic Algorithm for the Design of Freeform Geometries in a MEMS Accelerometer Comprising a Mechanical Motion Pre-Amplifier. , 2019, , .		4
23	A Mems Accelerometer with an Auto-Tuning System Based on an Electrostatic Anti-Spring. , 2021, , .		4
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	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
26	Genetic Algorithm for the Design of Freeform Geometries in a Large-Range Rotary Microgripper. , 2021, , .		1
27	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
28	Numerical Investigation of Dual-OWC-Devices System Composed by Offshore and Onshore Unit. , 2020, , 107-114.		0
29	A Mems Electro-Mechanical Co-Optimization Platform Featuring Freeform Geometry Optimization Based on a Genetic Algorithm. , 2022, , .		0