

# Ajit C Pillai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2240289/publications.pdf>

Version: 2024-02-01

14  
papers

262  
citations

1163117

8  
h-index

1199594

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

239  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Review of Predictive and Prescriptive Offshore Wind Farm Operation and Maintenance. <i>Energies</i> , 2022, 15, 504.  | 3.1 | 19        |
| 2  | An experimental assessment of the effect of current on wave buoy measurements. <i>Coastal Engineering</i> , 2022, 174, 104114.  | 4.0 | 2         |
| 3  | Anchor loads for shallow water mooring of a 15 MW floating wind turbine – Part I: Chain catenary moorings for single and shared anchor scenarios. <i>Ocean Engineering</i> , 2022, 266, 111816. | 4.3 | 2         |
| 4  | Experimental Data of Bottom Pressure and Free Surface Elevation including Wave and Current Interactions. <i>Data</i> , 2021, 6, 103.  | 2.3 | 1         |
| 5  | An Energy Management System for the Control of Battery Storage in a Grid-Connected Microgrid Using Mixed Integer Linear Programming. <i>Energies</i> , 2021, 14, 6212.                          | 3.1 | 27        |
| 6  | A framework for processing wave buoy measurements in the presence of current. <i>Applied Ocean Research</i> , 2021, 106, 102420.  | 4.1 | 9         |
| 7  | Multi-objective optimization of the operation and maintenance assets of an offshore wind farm using genetic algorithms. <i>Wind Engineering</i> , 2020, 44, 390-409.                            | 1.9 | 15        |
| 8  | Resolving combined wave-current fields from measurements using interior point optimization. <i>Coastal Engineering</i> , 2019, 149, 4-14.   | 4.0 | 6         |
| 9  | Mooring system design optimization using a surrogate assisted multi-objective genetic algorithm. <i>Engineering Optimization</i> , 2019, 51, 1370-1392.   | 2.6 | 19        |
| 10 | Offshore wind farm layout optimization using particle swarm optimization. <i>Journal of Ocean Engineering and Marine Energy</i> , 2018, 4, 73-88.   | 1.7 | 27        |
| 11 | Verification and Benchmarking Methodology for O&M Planning and Optimization Tools in the Offshore Renewable Energy Sector. , 2018, , .  |     | 6         |
| 12 | Application of an offshore wind farm layout optimization methodology at Middelgrunden wind farm. <i>Ocean Engineering</i> , 2017, 139, 287-297.   | 4.3 | 56        |
| 13 | Comparison of Offshore Wind Farm Layout Optimization Using a Genetic Algorithm and a Particle Swarm Optimizer. , 2016, , .  |     | 5         |
| 14 | Offshore wind farm electrical cable layout optimization. <i>Engineering Optimization</i> , 2015, 47, 1689-1708.   | 2.6 | 66        |