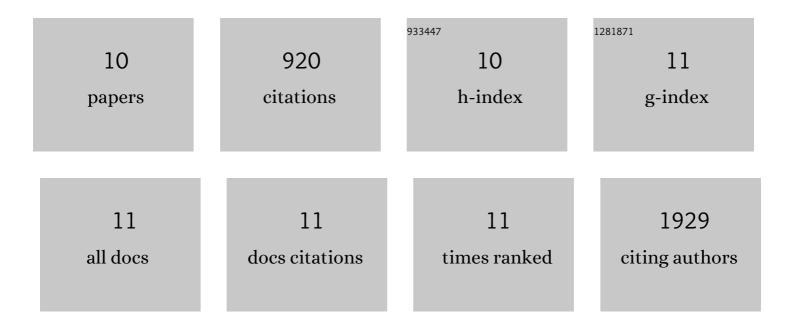
Xiaoyi Cai

List of Publications by Year in descending order

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Χιλογι Cλ

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent advances in air electrodes for Zn–air batteries: electrocatalysis and structural design. Materials Horizons, 2017, 4, 945-976. | 12.2 | 263 |
| 2 | Graphene and graphene-based composites as Li-ion battery electrode materials and their application in full cells. Journal of Materials Chemistry A, 2017, 5, 15423-15446. | 10.3 | 184 |
| 3 | 2020 roadmap on two-dimensional materials for energy storage and conversion. Chinese Chemical Letters, 2019, 30, 2053-2064. | 9.0 | 140 |
| 4 | Free-standing vertically-aligned nitrogen-doped carbon nanotube arrays/graphene as air-breathing electrodes for rechargeable zinc–air batteries. Journal of Materials Chemistry A, 2017, 5, 2488-2495. | 10.3 | 83 |
| 5 | V ₂ O ₅ embedded in vertically aligned carbon nanotube arrays as free-standing electrodes for flexible supercapacitors. Journal of Materials Chemistry A, 2017, 5, 23727-23736. | 10.3 | 73 |
| 6 | Co ₂ P@N,P-Codoped Carbon Nanofiber as a Free-Standing Air Electrode for Zn–Air Batteries: Synergy Effects of CoN _x Satellite Shells. ACS Applied Materials & Interfaces, 2019, 11, 10364-10372. | 8.0 | 73 |
| 7 | Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. Journal of Materials Chemistry A, 2015, 3, 22043-22052. | 10.3 | 36 |
| 8 | A cathode for Li-ion batteries made of vanadium oxide on vertically aligned carbon nanotube arrays/graphene foam. Chemical Engineering Journal, 2019, 359, 1668-1676. | 12.7 | 25 |
| 9 | N, P Coâ€doped Hierarchical Porous Graphene as a Metalâ€Free Bifunctional Air Cathode for Znâ^'Air Batteries. ChemElectroChem, 2018, 5, 1811-1816. | 3.4 | 19 |
| 10 | Graphene-supported non-precious metal electrocatalysts for oxygen reduction reactions: the active center and catalytic mechanism. Journal of Materials Chemistry A, 2016, 4, 7148-7154. | 10.3 | 17 |