# Qiyang Lu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9578958/publications.pdf

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| 22 | 1,395 | 516710 16 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 2520 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reversible Hydrogen-Induced Phase Transformations in La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> Thin Films Characterized by In Situ Neutron Reflectometry. ACS Applied Materials & Interfaces, 2022, 14, 10898-10906. | 8.0 | 10 |
| 2 | Carbonate formation lowers the electrocatalytic activity of perovskite oxides for water electrolysis. Journal of Materials Chemistry A, 2021, 9, 19940-19948. | 10.3 | 11 |
| 3 | Tuning electrochemically driven surface transformation in atomically flat LaNiO3 thin films for enhanced water electrolysis. Nature Materials, 2021, 20, 674-682. | 27.5 | 105 |
| 4 | Layer-resolved many-electron interactions in delafossite PdCoO2 from standing-wave photoemission spectroscopy. Communications Physics, 2021, 4, . | 5.3 | 7 |
| 5 | Interface Engineering of Metalâ€Oxide Fieldâ€Effect Transistors for Lowâ€Drift pH Sensing. Advanced Materials Interfaces, 2021, 8, 2100314. | 3.7 | 13 |
| 6 | Metalâ€“insulator transition tuned by oxygen vacancy migration across TiO2/VO2 interface. Scientific Reports, 2020, 10, 18554. | 3.3 | 24 |
| 7 | Colossal oxygen vacancy formation at a fluorite-bixbyite interface. Nature Communications, 2020, 11, 1371. | 12.8 | 39 |
| 8 | Bi-directional tuning of thermal transport in SrCoOx with electrochemically induced phase transitions. Nature Materials, 2020, 19, 655-662. | 27.5 | 88 |
| 9 | Threshold catalytic onset of carbon formation on CeO<sub>2</sub>during CO<sub>2</sub>electrolysis: mechanism and inhibition. Journal of Materials Chemistry A, 2019, 7, 15233-15243. | 10.3 | 19 |
| 10 | Pulsed-laser epitaxy of topological insulator Bi2Te3 thin films. APL Materials, 2019, 7, . | 5.1 | 24 |
| 11 | Pushing the detection of cation nonstoichiometry to the limit. Physical Review Materials, 2019, 3, . | 2.4 | 13 |
| 12 | Growth of metallic delafossite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PdCo</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> by molecular beam epitaxy. Physical Review Materials, 2019, 3, . | 2.4 | 35 |
| 13 | Charge Transfer Across Oxide Interfaces Probed by in Situ X-ray Photoelectron and Absorption Spectroscopy Techniques. Journal of Physical Chemistry C, 2018, 122, 4841-4848. | 3.1 | 11 |
| 14 | Surface Defect Chemistry and Electronic Structure of Pr0.1Ce0.9O2â^Î´ Revealed in Operando. Chemistry of Materials, 2018, 30, 2600-2606. | 6.7 | 24 |
| 15 | Electrochemically Triggered Metalâ€“Insulator Transition between VO<sub>2</sub> and V<sub>2</sub>O<sub>5</sub>. Advanced Functional Materials, 2018, 28, 1803024. | 14.9 | 46 |
| 16 | Structure, Chemistry, and Charge Transfer Resistance of the Interface between Li<sub>7</sub>La<sub>3</sub>Zr<sub>2</sub>O<sub>12</sub> Electrolyte and LiCoO<sub>2</sub> Cathode. Chemistry of Materials, 2018, 30, 6259-6276. | 6.7 | 125 |
| 17 | A robust and active hybrid catalyst for facile oxygen reduction in solid oxide fuel cells. Energy and Environmental Science, 2017, 10, 964-971. | 30.8 | 204 |
| 18 | Electronic Structure Evolution of SrCoO<sub>x</sub> during Electrochemically Driven Phase Transition Probed by in Situ X-ray Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 24148-24157. | 3.1 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Improved chemical and electrochemical stability of perovskite oxides with less reducible cations at the surface. Nature Materials, 2016, 15, 1010-1016. | 27.5 | 312 |
| 20 | Resistive Switching Mechanisms on TaO<sub>x</sub> and SrRuO<sub>3</sub> Thin-Film Surfaces Probed by Scanning Tunneling Microscopy. ACS Nano, 2016, 10, 1481-1492. | 14.6 | 100 |
| 21 | Voltage-Controlled Topotactic Phase Transition in Thin-Film SrCoO<sub>x</sub> Monitored by In Situ X-ray Diffraction. Nano Letters, 2016, 16, 1186-1193. | 9.1 | 116 |
| 22 | Improved electrochemical stability at the surface of La<sub>0.8</sub>Sr<sub>0.2</sub>CoO<sub>3</sub> achieved by surface chemical modification. Faraday Discussions, 2015, 182, 257-269. | 3.2 | 29 |