

# Yang Yu

## List of Publications by Year in descending order

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17  
papers

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1307594

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docs citations

17  
times ranked

323  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Direct experimental evidence of physical origin of electronic phase separation in manganites. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7090-7094.                                    | 7.1  | 35        |
| 2  | Achieving large and nonvolatile tunable magnetoresistance in organic spin valves using electronic phase separated manganites. Nature Communications, 2019, 10, 3877.  | 12.8 | 28        |
| 3  | Unexpected Intermediate State Photoinduced in the Metal-Insulator Transition of Submicrometer Phase-Separated Manganites. Physical Review Letters, 2018, 120, 267202.   | 7.8  | 22        |
| 4  | Emerging single-phase state in small manganite nanodisks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9228-9231.  | 7.1  | 18        |
| 5  | Thickness-driven first-order phase transitions in manganite ultrathin films. Physical Review B, 2019, 99, .   | 3.2  | 12        |
| 6  | Observing a previously hidden structural-phase transition onset through heteroepitaxial cap response. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4141-4146.                            | 7.1  | 11        |
| 7  | A large enhancement of magnetocaloric effect by chemical ordering in manganites. Journal of Materials Chemistry C, 2018, 6, 1224-1228.  | 5.5  | 7         |
| 8  | Reversibility of magnetic field driven transition from electronic phase separation state to single-phase state in manganites: A microscopic view. Physical Review B, 2017, 96, .  | 3.2  | 6         |
| 9  | Nonmonotonic crossover in electronic phase separated manganite superlattices driven by the superlattice period. Physical Review B, 2020, 102, .   | 3.2  | 6         |
| 10 | Enhanced magnetocaloric effect in manganite nanodisks. Physical Review Materials, 2019, 3, .  | 2.4  | 6         |
| 11 | An Electric-Field-Controlled High-Speed Coexisting Multibit Memory and Boolean Logic Operations in Manganite Nanowire via Local Gating. Advanced Electronic Materials, 2019, 5, 1900020.  | 5.1  | 5         |
| 12 | Critical fluctuations upon photoinduced phase transition in manganite strips. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.   | 5.1  | 3         |
| 13 | Visualization of tunnel magnetoresistance effect in single manganite nanowires. Chinese Physics B, 2020, 29, 018501.  | 1.4  | 3         |
| 14 | Spatial confinement tuning of quenched disorder effects and enhanced magnetoresistance in manganite nanowires. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.  | 5.1  | 2         |
| 15 | A Transistor-Level DFF Based on FinFET Technology for Low Power Integrated Circuits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 584-588.   | 3.0  | 2         |
| 16 | Implementation of artificial neurons with tunable width via magnetic anisotropy. Applied Physics Letters, 2021, 119, 204101.  | 3.3  | 2         |
| 17 | Memory Devices: An Electric-Field-Controlled High-Speed Coexisting Multibit Memory and Boolean Logic Operations in Manganite Nanowire via Local Gating (Adv. Electron. Mater. 6/2019). Advanced Electronic Materials, 2019, 5, 1970029. | 5.1  | 1         |