

Anjana M Samarakoon

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

240
citations

1163117

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1125743

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docs citations

13
times ranked

344
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Machine-learning-assisted insight into spin ice Dy ₂ Ti ₂ O ₇ . Nature Communications, 2020, 11, 892. | 12.8 | 58 |
| 2 | Comprehensive study of the dynamics of a classical Kitaev spin liquid. Physical Review B, 2017, 96, . | 3.2 | 42 |
| 3 | Static and dynamic magnetic properties of honeycomb lattice antiferromagnets NaMCo_2O_6 and NiMCo_2O_6 . Physical Review B, 2021, 104, . | 3.2 | 33 |
| 4 | Aging, memory, and nonhierarchical energy landscape of spin jam. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11806-11810. | 7.1 | 29 |
| 5 | Spin jam induced by quantum fluctuations in a frustrated magnet. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11519-11523. | 7.1 | 18 |
| 6 | Scaling of Memories and Crossover in Glassy Magnets. Scientific Reports, 2017, 7, 12053. | 3.3 | 10 |
| 7 | Anomalous magnetic noise in an imperfectly flat landscape in the topological magnet Dy ₂ Ti ₂ O ₇ . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 10 |
| 8 | Extraction of interaction parameters for \hat{H} from neutron data using machine learning. Physical Review Research, 2022, 4, . | 1.8 | 10 |
| 9 | Machine learning for neutron scattering at ORNL*. Machine Learning: Science and Technology, 2021, 2, 023001. | 5.0 | 9 |
| 10 | Machine learning for magnetic phase diagrams and inverse scattering problems. Journal of Physics Condensed Matter, 2022, 34, 044002. | 1.8 | 6 |
| 11 | Constraining the parameter space of a quantum spin liquid candidate in applied field with iterative optimization. Physical Review Research, 2021, 3, . | 3.6 | 6 |
| 12 | Inelastic Neutron Scattering Study of Magnetic Exchange Pathways in MnS. Journal of Physical Chemistry C, 2021, 125, 16183-16190. | 3.1 | 5 |
| 13 | Glassy Behavior and Isolated Spin Dimers in a New Frustrated Magnet BaCr ₉ pGa ₁₂ pO ₁₉ . Journal of the Physical Society of Japan, 2016, 85, 094712. | 1.6 | 4 |