

# Anjana M Samarakoon

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

240  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning for magnetic phase diagrams and inverse scattering problems. Journal of Physics Condensed Matter, 2022, 34, 044002.	1.8	6
2	Anomalous magnetic noise in an imperfectly flat landscape in the topological magnet Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
3	Extraction of interaction parameters for $\hat{H}$ from neutron data using machine learning. Physical Review Research, 2022, 4, .	10.0	10
4	Machine learning for neutron scattering at ORNL. Machine Learning: Science and Technology, 2021, 2, 023001.	5.0	9
5	Inelastic Neutron Scattering Study of Magnetic Exchange Pathways in MnS. Journal of Physical Chemistry C, 2021, 125, 16183-16190.	3.1	5
6	Constraining the parameter space of a quantum spin liquid candidate in applied field with iterative optimization. Physical Review Research, 2021, 3, .	3.6	6
7	Static and dynamic magnetic properties of honeycomb lattice antiferromagnets Na <sub>2</sub> M <sub>2</sub> Co <sub>2</sub> Ni <sub>2</sub> and Ni. Physical Review B, 2021, 104, .	3.2	33
8	Machine-learning-assisted insight into spin ice Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . Nature Communications, 2020, 11, 892.	12.8	58
9	Comprehensive study of the dynamics of a classical Kitaev spin liquid. Physical Review B, 2017, 96, .	3.2	42
10	Scaling of Memories and Crossover in Glassy Magnets. Scientific Reports, 2017, 7, 12053.	3.3	10
11	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
12	Glassy Behavior and Isolated Spin Dimers in a New Frustrated Magnet BaCr <sub>9</sub> pGa <sub>12</sub> pO <sub>19</sub> . Journal of the Physical Society of Japan, 2016, 85, 094712.	1.6	4
13	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