

Matthias Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,415
citations

687363

13
h-index

888059

17
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all docs

18
docs citations

18
times ranked

1613
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-EM demonstrates the in vitro proliferation of an ex vivo amyloid fibril morphology by seeding. Nature Communications, 2022, 13, 85.	12.8	15
2	Cryo-EM reveals structural breaks in a patient-derived amyloid fibril from systemic AL amyloidosis. Nature Communications, 2021, 12, 875.	12.8	70
3	AA amyloid fibrils from diseased tissue are structurally different from in vitro formed SAA fibrils. Nature Communications, 2021, 12, 1013.	12.8	60
4	Methods to study the structure of misfolded protein states in systemic amyloidosis. Biochemical Society Transactions, 2021, 49, 977-985.	3.4	9
5	Role of mutations and post-translational modifications in systemic AL amyloidosis studied by cryo-EM. Nature Communications, 2021, 12, 6434.	12.8	36
6	Automatic identification of crossovers in cryo-EM images of murine amyloid protein A fibrils with machine learning. Journal of Microscopy, 2020, 277, 12-22.	1.8	7
7	Cryo-EM structure of a transthyretin-derived amyloid fibril from a patient with hereditary ATTR amyloidosis. Nature Communications, 2019, 10, 5008.	12.8	127
8	Cryo-EM structure and polymorphism of A β 2 amyloid fibrils purified from Alzheimer's brain tissue. Nature Communications, 2019, 10, 4760.	12.8	411
9	Cryo-EM structure of a light chain-derived amyloid fibril from a patient with systemic AL amyloidosis. Nature Communications, 2019, 10, 1103.	12.8	120
10	Cryo-EM fibril structures from systemic AA amyloidosis reveal the species complementarity of pathological amyloids. Nature Communications, 2019, 10, 1104.	12.8	113
11	Physical basis of amyloid fibril polymorphism. Nature Communications, 2018, 9, 699.	12.8	133
12	Opal-like Multicolor Appearance of Self-Assembled Photonic Array. ACS Applied Materials & Interfaces, 2018, 10, 20783-20789.	8.0	17
13	Common Fibril Structures Imply Systemically Conserved Protein Misfolding Pathways In Vivo. Angewandte Chemie - International Edition, 2017, 56, 7510-7514.	13.8	59
14	Common Fibril Structures Imply Systemically Conserved Protein Misfolding Pathways In Vivo. Angewandte Chemie, 2017, 129, 7618-7622.	2.0	10
15	Polymorphism of Amyloid Fibrils In Vivo. Angewandte Chemie - International Edition, 2016, 55, 4822-4825.	13.8	109
16	Cryo-EM reveals the steric zipper structure of a light chain-derived amyloid fibril. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6200-6205.	7.1	61
17	Electron tomography reveals the fibril structure and lipid interactions in amyloid deposits. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5604-5609.	7.1	56