

# Uttam Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2282303/publications.pdf>

Version: 2024-02-01

16  
papers

1,357  
citations

686830

13  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

780  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Quantum Coherence with Entanglement. Physical Review Letters, 2015, 115, 020403.	2.9	665
2	Maximum Relative Entropy of Coherence: An Operational Coherence Measure. Physical Review Letters, 2017, 119, 150405.	2.9	141
3	Maximally coherent mixed states: Complementarity between maximal coherence and mixedness. Physical Review A, 2015, 91, .	1.0	120
4	Energy cost of creating quantum coherence. Physical Review A, 2016, 93, .	1.0	66
5	Quantum discord with weak measurements. Annals of Physics, 2014, 343, 141-152.	1.0	55
6	Asymmetry and coherence weight of quantum states. Physical Review A, 2018, 97, .	1.0	52
7	Catalytic coherence transformations. Physical Review A, 2016, 93, .	1.0	47
8	Measuring non-Hermitian operators via weak values. Physical Review A, 2015, 92, .	1.0	45
9	Uncertainty Relations for Quantum Coherence. Mathematics, 2016, 4, 47.	1.1	38
10	Average coherence and its typicality for random pure states. Physical Review A, 2016, 93, .	1.0	36
11	Coherence-breaking channels and coherence sudden death. Physical Review A, 2016, 94, .	1.0	25
12	Average subentropy, coherence and entanglement of random mixed quantum states. Annals of Physics, 2017, 377, 125-146.	1.0	21
13	Quantum Rényi relative entropies affirm universality of thermodynamics. Physical Review E, 2015, 92, 042161.	0.8	20
14	Quantum thermodynamics in a multipartite setting: A resource theory of local Gaussian work extraction for multimode bosonic systems. Physical Review A, 2019, 100, .	1.0	12
15	Enhancing robustness of multiparty quantum correlations using weak measurement. Annals of Physics, 2014, 350, 50-68.	1.0	10
16	Partial order on passive states and Hoffman majorization in quantum thermodynamics. Physical Review Research, 2021, 3, .	1.3	4