Philippe Grangier

List of Publications by Year
in descending order

23	3,246	623734 14	642732 23
papers	citations	h-index	g-index

23	23	23	2288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generating Optical Schrodinger Kittens for Quantum Information Processing. Science, 2006, 312, 83-86.	12.6	706
2	Observation of collective excitation of two individual atoms in the Rydberg blockade regime. Nature Physics, 2009, 5, 115-118.	16.7	668
3	Generation of optical â€˜SchrÃ¶dinger catsâ€™ from photon number states. Nature, 2007, 448, 784-786.	27.8	549
4	Quantum non-demolition measurements in optics. Nature, 1998, 396, 537-542.	27.8	505
5	Quantum Homodyne Tomography of a Two-Photon Fock State. Physical Review Letters, 2006, 96, 213601.	7.8	177
6	Quantum cloning and teleportation criteria for continuous quantum variables. Physical Review A, 2001, 64, .	2.5	172
7	Preparation of non-local superpositions of quasi-classical light states. Nature Physics, 2009, 5, 189-192.	16.7	147
8	Contextual objectivity: a realistic interpretation of quantum mechanics. European Journal of Physics, 2002, 23, 331-337.	0.6	79
9	Contexts, Systems and Modalities: A New Ontology for Quantum Mechanics. Foundations of Physics, 2016, 46, 121-137.	1.3	68
10	What is quantum in quantum randomness?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170322.	3.4	23
11	Generating non-Gaussian states using collisions between Rydberg polaritons. Physical Review A, 2012, 86, .	2.5	21
12	Extracontextuality and extravalence in quantum mechanics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170311.	3.4	20
13	Recovering the quantum formalism from physically realist axioms. Scientific Reports, 2017, 7, 43365.	3.3	17
14	Contextual Inferences, Nonlocality, and the Incompleteness of Quantum Mechanics. Entropy, 2021, 23, 1660.	2.2	17
15	Violation of Bellâ€™s inequalities in a quantum realistic framework. International Journal of Quantum Information, 2016, 14, 1640002.	1.1	14
16	A Generic Model for Quantum Measurements. Entropy, 2019, 21, 904.	2.2	14
17	Deriving Bornâ€™s Rule from an Inference to the Best Explanation. Foundations of Physics, 2020, 50, 1781-1793.	1.3	14
18	Classical selection and quantum Darwinism. Physics Today, 2015, 68, 8-8.	0.3	10

#	Article	IF	Citations
19	Completing the Quantum Formalism in a Contextually Objective Framework. Foundations of Physics, 2021, 51, 1.	1.3	10
20	The Einsteinâ€“Bohr Debate: Finding a Common Ground of Understanding?. Foundations of Science, 2021, 26, 97-101.	0.7	5
21	Make It Quantum and Continuous. Science, 2011, 332, 313-314.	12.6	4
22	Revisiting Bornâ€™s Rule through Uhlhornâ€™s and Gleasonâ€™s Theorems. Entropy, 2022, 24, 199.	2.2	4
23	Room for Just One Photon. Science, 2012, 336, 812-813.	12.6	2