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	Revisiting Bornâ€™s Rule through Uhlhornâ€™s and Gleasonâ€™s Theorems. Entropy, 2022, 24, 199.	2.2	4
2	The Einsteinâ€“Bohr Debate: Finding a Common Ground of Understanding?. Foundations of Science, 2021, 26, 97-101.	0.7	5
3	Completing the Quantum Formalism in a Contextually Objective Framework. Foundations of Physics, 2021, 51, 1.	1.3	10
4	Contextual Inferences, Nonlocality, and the Incompleteness of Quantum Mechanics. Entropy, 2021, 23, 1660.	2.2	17
5	Deriving Bornâ€™s Rule from an Inference to the Best Explanation. Foundations of Physics, 2020, 50, 1781-1793.	1.3	14
6	A Generic Model for Quantum Measurements. Entropy, 2019, 21, 904.	2.2	14
7	Extracontextuality and extravalence in quantum mechanics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170311.	3.4	20
8	What is quantum in quantum randomness?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170322.	3.4	23
9	Recovering the quantum formalism from physically realist axioms. Scientific Reports, 2017, 7, 43365.	3.3	17
10	Violation of Bellâ€™s inequalities in a quantum realistic framework. International Journal of Quantum Information, 2016, 14, 1640002.	1.1	14
11	Contexts, Systems and Modalities: A New Ontology for Quantum Mechanics. Foundations of Physics, 2016, 46, 121-137.	1.3	68
12	Classical selection and quantum Darwinism. Physics Today, 2015, 68, 8-8.	0.3	10
13	Generating non-Gaussian states using collisions between Rydberg polaritons. Physical Review A, 2012, 86, .	2.5	21
14	Room for Just One Photon. Science, 2012, 336, 812-813.	12.6	2
15	Make It Quantum and Continuous. Science, 2011, 332, 313-314.	12.6	4
16	Observation of collective excitation of two individual atoms in the Rydberg blockade regime. Nature Physics, 2009, 5, 115-118.	16.7	668
17	Preparation of non-local superpositions of quasi-classical light states. Nature Physics, 2009, 5, 189-192.	16.7	147
18	Generation of optical â€˜SchrÃ¶dinger catsâ€™ from photon number states. Nature, 2007, 448, 784-786.	27.8	549

#	Article	IF	Citations
19	Generating Optical Schrodinger Kittens for Quantum Information Processing. Science, 2006, 312, 83-86.	12.6	706
20	Quantum Homodyne Tomography of a Two-Photon Fock State. Physical Review Letters, 2006, 96, 213601.	7.8	177
21	Contextual objectivity: a realistic interpretation of quantum mechanics. European Journal of Physics, 2002, 23, 331-337.	0.6	79
22	Quantum cloning and teleportation criteria for continuous quantum variables. Physical Review A, 2001, 64, .	2.5	172
23	Quantum non-demolition measurements in optics. Nature, 1998, 396, 537-542.	27.8	505