Franck Lalo

List of Publications by Citations

51	629	11	25
papers	citations	h-index	g-index
65	681	2.7	4.02
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
51	The Transition Temperature of the Dilute Interacting Bose Gas. *Physical Review Letters*, **1999**, 83, 1703-1706	7.4	183
50	Do We Really Understand Quantum Mechanics? **2012**,		80
49	Superfluid transition of homogeneous and trapped two-dimensional Bose gases. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 1476-81	11.5	62
48	Nonanalytic dependence of the transition temperature of the homogeneous dilute Bose gas on scattering length. *Physical Review Letters*, **2001**, 87, 120403	7.4	54
47	Heating of trapped ultracold atoms by collapse dynamics. *Physical Review A*, **2014**, 90,	2.6	50
46	Étude d'une nouvelle méthode permettant d'orienter, par pompage optique, des niveaux atomiques excités. Application à la mesure de la structure hyperfine de niveaux 1D de 3He. *Journal De Physique*, **1970**, 31, 173-194		50
45	New Value for the Metastability Exchange Cross Section in Helium. *Physical Review Letters*, **1971**, 27, 467-470	7.4	38
44	Bose–Einstein transition temperature in a dilute repulsive gas. *Comptes Rendus Physique*, **2004**, 5, 21-37	1.4	26
43	Bibliometric evaluation of individual researchers: not even right... not even wrong!. *Europhysics News*, **2009**, 40, 26-29	0.2	15
42	Étude des signaux de détection lumineuse dans une expérience de pompage optique. Orientation dans une décharge de niveaux atomiques excités. *Annales De Physique*, **1971**, 14, 5-69		15
41	Do We Really Understand Quantum Mechanics? **2019**,		11
40	Statistical Estimation of Mechanical Parameters of Clarinet Reeds Using Experimental and Numerical Approaches. *Acta Acustica United With Acustica*, **2014**, 100, 555-573	1.5	9
39	The Effects of Spin in Gases. *Scientific American*, **1988**, 258, 94-101	0.5	6
38	Modified Schrödinger dynamics with attractive densities. *European Physical Journal D*, **2015**, 69, 1	1.3	5
37	A model of quantum collapse induced by gravity. *European Physical Journal D*, **2020**, 74, 1	1.3	1
36	Applications of quantum entanglement150-167		1
35	Liquefaction of Highly Polarized3He. *Japanese Journal of Applied Physics*, **1987**, 26, 205	1.4	1

34	L'évaluation bibliométrique des chercheurs : ni juste ni fausse ! **2009**, 23-24	0.1	1
33	The Pilot-Wave Theory: Problems and Difficulties. *The Frontiers Collection*, **2017**, 165-193	0.3	
32	Present Situation, Remaining Conceptual Difficulties **2019**, 21-48		
31	The Theorem of Einstein, Podolsky, and Rosen **2019**, 49-72		
30	Bell Theorem **2019**, 73-116		
29	Other Inequalities, Cirelson's Limit, Signaling **2019**, 117-152		
28	More Theorems **2019**, 153-188		
27	Quantum Entanglement **2019**, 189-222		
26	Applications of Quantum Entanglement **2019**, 223-242		
25	Quantum Measurement **2019**, 243-274		
24	Experiments: Quantum Reduction Seen in Real Time **2019**, 275-292		
23	Various Interpretations and Reconstructions of Quantum Mechanics **2019**, 293-404		
22	Annex: Basic Mathematical Tools of Quantum Mechanics **2019**, 409-432		
21	Mental Content of the State Vector **2019**, 433-434		
20	Bell Inequalities in Nondeterministic Local Theories **2019**, 435-438		
19	Attempting to Construct a Separable Quantum Theory **2019**, 439-441		
18	Maximal Probability for a State **2019**, 442-442		
17	The Influence of Pair Selection **2019**, 443-446		

16 Impossibility of Superluminal Communication **2019**, 447-451

15 Quantum Measurements at Different Times **2019**, 452-456

14 Manipulating and Preparing Additional Variables **2019**, 457-459

13 Correlations and Trajectories in Bohmian Theory **2019**, 460-472

12 Models for Spontaneous Reduction of the State Vector **2019**, 473-477

11 Consistent Families of Histories **2019**, 478-480

10 Attractive Schrödinger Dynamics **2019**, 481-488

9 Angular momentum conservation in measurements on spin Bose-Einstein condensates. *European Physical Journal D*, **2014**, 68, 1 1.3

8 Bell theorem56-99

7 Present situation, remaining conceptual difficulties17-37

6 Experiments: quantum reduction seen in real time195-210

5 Various interpretations211-303

4 An attempt for constructing a "separable" quantum theory (non-deterministic but local)332-334

3 Quantum measurements at different times345-349

2 Manipulating and preparing additional variables350-352

1 The Pilot Wave Theory of Louis de Broglie and David Bohm. *The Frontiers Collection*, **2017**, 127-164 0.3