

# Igor Ferrier-Barbut

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4649043/publications.pdf>

Version: 2024-02-01

27  
papers

2,608  
citations

331670

21  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1301  
citing authors

#	ARTICLE	IF	CITATIONS
1	From superradiance to subradiance: exploring the many-body Dicke ladder. <i>Optics Letters</i> , 2022, 47, 1541.	3.3	8
2	Preparation of one-dimensional chains and dense cold atomic clouds with a high numerical aperture four-lens system. <i>Physical Review A</i> , 2021, 103, .	2.5	11
3	Storage and Release of Subradiant Excitations in a Dense Atomic Cloud. <i>Physical Review X</i> , 2021, 11, .	8.9	48
4	Laser-Driven Superradiant Ensembles of Two-Level Atoms near Dicke Regime. <i>Physical Review Letters</i> , 2021, 127, 243602.	7.8	22
5	Collective Shift in Resonant Light Scattering by a One-Dimensional Atomic Chain. <i>Physical Review Letters</i> , 2020, 124, 253602.	7.8	44
6	Many-Body Signatures of Collective Decay in Atomic Chains. <i>Physical Review Letters</i> , 2020, 125, 263601.	7.8	46
7	Ultradilute Quantum Droplets. <i>Physics Today</i> , 2019, 72, 46-52.	0.3	31
8	Dilute dipolar quantum droplets beyond the extended Gross-Pitaevskii equation. <i>Physical Review Research</i> , 2019, 1, .	3.6	81
9	Scissors Mode of Dipolar Quantum Droplets of Dysprosium Atoms. <i>Physical Review Letters</i> , 2018, 120, 160402.	7.8	69
10	Quantum liquids get thin. <i>Science</i> , 2018, 359, 274-275.	12.6	16
11	Onset of a modulational instability in trapped dipolar Bose-Einstein condensates. <i>Physical Review A</i> , 2018, 97, .	2.5	38
12	A fermionic impurity in a dipolar quantum droplet. <i>Physica Scripta</i> , 2018, 93, 104004.	2.5	19
13	Anisotropic Superfluid Behavior of a Dipolar Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2018, 121, 030401.	7.8	31
14	Striped states in a many-body system of tilted dipoles. <i>Physical Review A</i> , 2017, 96, .	2.5	85
15	Smashing magnets. <i>New Journal of Physics</i> , 2016, 18, 111004.	2.9	0
16	Universal Loss Dynamics in a Unitary Bose Gas. <i>Physical Review X</i> , 2016, 6, .	8.9	41
17	Observation of Quantum Droplets in a Strongly Dipolar Bose Gas. <i>Physical Review Letters</i> , 2016, 116, 215301.	7.8	466
18	Self-bound droplets of a dilute magnetic quantum liquid. <i>Nature</i> , 2016, 539, 259-262.	27.8	381

#	ARTICLE	IF	CITATIONS
19	Liquid quantum droplets of ultracold magnetic atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 214004.	1.5	59
20	Observing the Rosensweig instability of a quantum ferrofluid. Nature, 2016, 530, 194-197.	27.8	434
21	Broad universal Feshbach resonances in the chaotic spectrum of dysprosium atoms. Physical Review A, 2015, 92, .	2.5	59
22	Critical Velocity and Dissipation of an Ultracold Bose-Fermi Counterflow. Physical Review Letters, 2015, 115, 265303.	7.8	77
23	Emergence of Chaotic Scattering in Ultracold Er and Dy. Physical Review X, 2015, 5, .	8.9	81
24	La vitesse critique de Landau d'une particule dans un superfluide de fermions. Comptes Rendus Physique, 2015, 16, 241-253.	0.9	29
25	A mixture of Bose and Fermi superfluids. Science, 2014, 345, 1035-1038.	12.6	227
26	$\hat{\rho}$ -enhanced sub-Doppler cooling of lithium atoms in $D^1$ gray molasses. Physical Review A, 2013, 87, .	2.5	88
27	Lifetime of the Bose Gas with Resonant Interactions. Physical Review Letters, 2013, 110, 163202.	7.8	117