

# John E Thomas

## List of Publications by Year in descending order

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32  
papers

3,699  
citations

361413

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h-index

414414

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33  
all docs

33  
docs citations

33  
times ranked

1982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic Relaxation in a Strongly Interacting Fermi Gas. Physical Review Letters, 2022, 128, 090402.	7.8	6
2	Energy-Resolved Information Scrambling in Energy-Space Lattices. Physical Review Letters, 2021, 126, 070601.	7.8	7
3	Measuring the Hydrodynamic Linear Response of a Unitary Fermi Gas. Physical Review Letters, 2019, 123, 160402.	7.8	23
4	Designer Spatial Control of Interactions in Ultracold Gases. Physical Review Letters, 2019, 122, 040405.	7.8	21
5	Spin-energy correlation in degenerate weakly interacting Fermi gases. Physical Review A, 2019, 99, .	2.5	7
6	Atom Pairing in Optical Superlattices. Physical Review Letters, 2018, 120, 083203.	7.8	9
7	Probing Energy-Dependent Feshbach Resonances by Optical Control. Physical Review Letters, 2018, 121, 163404.	7.8	7
8	Fermi gases in the two-dimensional to quasi-two-dimensional crossover. Physical Review A, 2016, 94, .	2.5	22
9	Optical Control of Magnetic Feshbach Resonances by Closed-Channel Electromagnetically Induced Transparency. Physical Review Letters, 2016, 116, 075301.	7.8	27
10	Spin-Imbalanced Quasi-Two-Dimensional Fermi Gases. Physical Review Letters, 2015, 114, 110403.	7.8	67
11	Shear Viscosity of a Unitary Fermi Gas Near the Superfluid Phase Transition. Physical Review Letters, 2015, 115, 020401.	7.8	47
12	Observation of Conformal Symmetry Breaking and Scale Invariance in Expanding Fermi Gases. Physical Review Letters, 2014, 112, 040405.	7.8	43
13	Anomalous Minimum in the Shear Viscosity of a Fermi Gas. Physical Review Letters, 2014, 113, 020406.	7.8	47
14	Strongly correlated quantum fluids: ultracold quantum gases, quantum chromodynamic plasmas and holographic duality. New Journal of Physics, 2012, 14, 115009.	2.9	154
15	Polaron-to-Polaron Transitions in the Radio-Frequency Spectrum of a Quasi-Two-Dimensional Fermi Gas. Physical Review Letters, 2012, 108, 235302.	7.8	124
16	Universal Quantum Viscosity in a Unitary Fermi Gas. Science, 2011, 331, 58-61.	12.6	263
17	Spin drag in a perfect fluid. Nature, 2011, 472, 172-173.	27.8	1
18	The nearly perfect Fermi gas. Physics Today, 2010, 63, 34-37.	0.3	17

#	ARTICLE	IF	CITATIONS
19	Thermodynamic Measurements in a Strongly Interacting Fermi Gas. Journal of Low Temperature Physics, 2009, 154, 1-29.	1.4	118
20	Is an Ultra-Cold Strongly Interacting Fermi Gas a Perfect Fluid?. Nuclear Physics A, 2009, 830, 665c-672c.	1.5	18
21	Is a Gas of Strongly Interacting Atomic Fermions a Nearly Perfect Fluid?. Journal of Low Temperature Physics, 2008, 150, 567-576.	1.4	63
22	Observation of Nearly Perfect Irrotational Flow in Normal and Superfluid Strongly Interacting Fermi Gases. Physical Review Letters, 2007, 99, 140401.	7.8	34
23	Ultracold Fermi gas on a chip. Nature Physics, 2006, 2, 377-378.	16.7	1
24	Virial Theorem and Universality in a Unitary Fermi Gas. Physical Review Letters, 2005, 95, 120402.	7.8	133
25	Heat Capacity of a Strongly Interacting Fermi Gas. Science, 2005, 307, 1296-1299.	12.6	332
26	Cooling and Trapping. Optics and Photonics News, 2005, 16, 21.	0.5	6
27	Evidence for Superfluidity in a Resonantly Interacting Fermi Gas. Physical Review Letters, 2004, 92, 150402.	7.8	665
28	Optically Trapped Fermi Gases. American Scientist, 2004, 92, 238.	0.1	13
29	All-Optical Production of a Degenerate Fermi Gas. Physical Review Letters, 2002, 88, 120405.	7.8	218
30	Observation of a Strongly Interacting Degenerate Fermi Gas of Atoms. Science, 2002, 298, 2179-2182.	12.6	861
31	Laser-noise-induced heating in far-off resonance optical traps. Physical Review A, 1997, 56, R1095-R1098.	2.5	242
32	Suboptical wavelength position measurement of moving atoms using optical fields. Physical Review Letters, 1993, 70, 3404-3407.	7.8	103