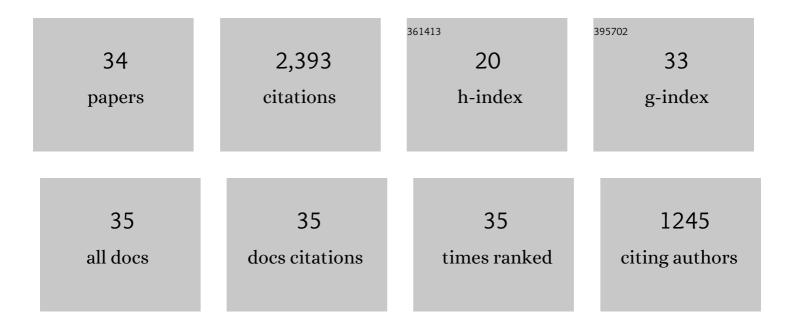
Greg A Voth

List of Publications by Year in descending order

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CREC A VOTH

#	Article	IF	CITATIONS
1	Lord Kelvin's isotropic helicoid. Physical Review Fluids, 2021, 6, .	2.5	3
2	Inertial torques and a symmetry breaking orientational transition in the sedimentation of slender fibres. Journal of Fluid Mechanics, 2019, 875, 576-596.	3.4	21
3	Using deformable particles for single-particle measurements of velocity gradient tensors. Experiments in Fluids, 2019, 60, 1.	2.4	7
4	Scale-dependent alignment, tumbling and stretching of slender rods in isotropic turbulence. Journal of Fluid Mechanics, 2019, 860, 465-486.	3.4	15
5	Anisotropic Particles in Turbulence. Annual Review of Fluid Mechanics, 2017, 49, 249-276.	25.0	230
6	Emergent scar lines in chaotic advection of passive directors. Physical Review Fluids, 2017, 2, .	2.5	4
7	Preferential Rotation of Chiral Dipoles in Isotropic Turbulence. Physical Review Letters, 2016, 117, 154501.	7.8	17
8	Methods for Measuring the Orientation and Rotation Rate of 3D-printed Particles in Turbulence. Journal of Visualized Experiments, 2016, , .	0.3	4
9	Disks aligned in a turbulent channel. Journal of Fluid Mechanics, 2015, 772, 1-4.	3.4	21
10	Measurements of the coupling between the tumbling of rods and the velocity gradient tensorÂinÂturbulence. Journal of Fluid Mechanics, 2015, 766, 202-225.	3.4	61
11	Measurements of the solid-body rotation of anisotropic particles in 3D turbulence. New Journal of Physics, 2014, 16, 102001.	2.9	48
12	Extracting turbulent spectral transfer from under-resolved velocity fields. Physics of Fluids, 2014, 26, .	4.0	12
13	Alignment of vorticity and rods with Lagrangian fluid stretching in turbulence. Journal of Fluid Mechanics, 2014, 743, .	3.4	85
14	Inertial Range Scaling in Rotations of Long Rods in Turbulence. Physical Review Letters, 2014, 112, 024501.	7.8	43
15	Simulations of granular gravitational collapse. Physical Review E, 2013, 88, 062202.	2.1	3
16	Effects of fluctuating energy input on the small scales in turbulence. Journal of Fluid Mechanics, 2013, 737, 527-551.	3.4	18
17	Rotation Rate of Rods in Turbulent Fluid Flow. Physical Review Letters, 2012, 109, 134501.	7.8	144
18	Signatures of non-universal large scales in conditional structure functions from various turbulent flows. New Journal of Physics, 2011, 13, 113020.	2.9	20

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#	Article	IF	CITATIONS
19	Rotation and alignment of rods in two-dimensional chaotic flow. Physics of Fluids, 2011, 23, .	4.0	62
20	Effects of nonuniversal large scales on conditional structure functions in turbulence. Physics of Fluids, 2010, 22, .	4.0	24
21	Acceleration Statistics of Neutrally Buoyant Spherical Particles in Intense Turbulence. Physical Review Letters, 2009, 103, 194501.	7.8	45
22	Experimental measurements of time dependent structure in shock waves and gravitational-collapse of a granular gas. , 2009, , .		0
23	Experimental measurements of the collapse of a two-dimensional granular gas under gravity. Physical Review E, 2008, 78, 041302.	2.1	11
24	Visualization of collisional substructure in granular shock waves. Physical Review E, 2008, 78, 041309.	2.1	11
25	Real-time image compression for high-speed particle tracking. Review of Scientific Instruments, 2007, 78, 023704.	1.3	19
26	Stretching and mixing of non-Newtonian fluids in time-periodic flows. Physics of Fluids, 2005, 17, 053102.	4.0	29
27	Mixing rates and symmetry breaking in two-dimensional chaotic flow. Physics of Fluids, 2003, 15, 2560-2566.	4.0	75
28	Ordered Clusters and Dynamical States of Particles in a Vibrated Fluid. Physical Review Letters, 2002, 88, 234301.	7.8	69
29	Experimental Measurements of Stretching Fields in Fluid Mixing. Physical Review Letters, 2002, 88, 254501.	7.8	181
30	Measurement of particle accelerations in fully developed turbulence. Journal of Fluid Mechanics, 2002, 469, 121-160.	3.4	385
31	Fluid particle accelerations in fully developed turbulence. Nature, 2001, 409, 1017-1019.	27.8	512
32	A silicon strip detector system for high resolution particle tracking in turbulence. Review of Scientific Instruments, 2001, 72, 4348-4353.	1.3	22
33	Using cavitation to measure statistics of low-pressure events in large-Reynolds-number turbulence. Physics of Fluids, 2000, 12, 1485-1496.	4.0	45
34	Lagrangian acceleration measurements at large Reynolds numbers. Physics of Fluids, 1998, 10, 2268-2280.	4.0	147