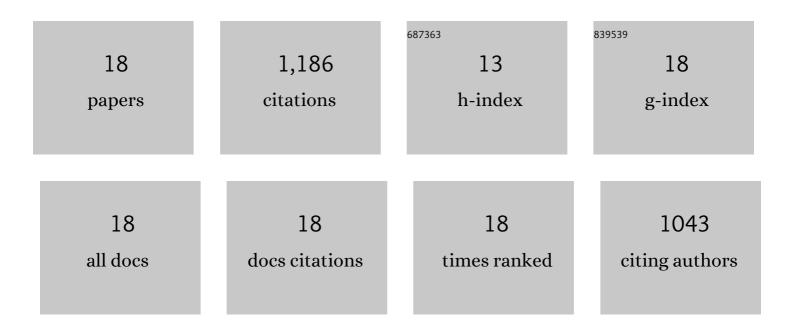
## **Richard Fournier**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/12169070/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Addressing the gas kinetics Boltzmann equation with branching-path statistics. Physical Review E, 2022, 105, 025305.	2.1	6
2	Three viewpoints on null-collision Monte Carlo algorithms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 260, 107402.	2.3	13
3	A Pathâ€Tracing Monte Carlo Library for 3â€Ð Radiative Transfer in Highly Resolved Cloudy Atmospheres. Journal of Advances in Modeling Earth Systems, 2019, 11, 2449-2473.	3.8	33
4	Addressing nonlinearities in Monte Carlo. Scientific Reports, 2018, 8, 13302.	3.3	16
5	Monte Carlo implementation of Schiff׳s approximation for estimating radiative properties of homogeneous, simple-shaped and optically soft particles: Application to photosynthetic micro-organisms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 172, 3-23.	2.3	10
6	Radiative transfer and spectroscopic databases: A line-sampling Monte Carlo approach. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 172, 83-97.	2.3	18
7	Calculation of the radiative properties of photosynthetic microorganisms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 161, 60-84.	2.3	54
8	Residence times and boundary-following behavior in animals. Physical Review E, 2014, 89, 052715.	2.1	5
9	The practice of recent radiative transfer Monte Carlo advances and its contribution to the field of microorganisms cultivation in photobioreactors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 128, 52-59.	2.3	31
10	How Do Ants Make Sense of Gravity? A Boltzmann Walker Analysis of Lasius niger Trajectories on Various Inclines. PLoS ONE, 2013, 8, e76531.	2.5	16
11	Deciphering Interactions in Moving Animal Groups. PLoS Computational Biology, 2012, 8, e1002678.	3.2	240
12	Modeling Collective Animal Behavior with a Cognitive Perspective: A Methodological Framework. PLoS ONE, 2012, 7, e38588.	2.5	32
13	Analyzing fish movement as a persistent turning walker. Journal of Mathematical Biology, 2009, 58, 429-445.	1.9	103
14	Short-Path Statistics and the Diffusion Approximation. Physical Review Letters, 2006, 97, 230604.	7.8	33
15	Self-organized aggregation in cockroaches. Animal Behaviour, 2005, 69, 169-180.	1.9	223
16	Monte Carlo Estimates of Domain-Deformation Sensitivities. Physical Review Letters, 2005, 95, 180601.	7.8	24
17	A model of animal movements in a bounded space. Journal of Theoretical Biology, 2003, 225, 443-451.	1.7	134
18	Spatial patterns in ant colonies. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9645-9649.	7.1	195