

Peter J Stiles

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

156
citations

1478505

6
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

198
citing authors

#	ARTICLE	IF	CITATIONS
1	On the nature of liquid junction and membrane potentials. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4200.	2.8	53
2	Hydrodynamic control of the interface between two liquids flowing through a horizontal or vertical microchannel. <i>Lab on A Chip</i> , 2004, 4, 121.	6.0	37
3	Hydrodynamics of magnetic and dielectric colloidal dispersions. <i>Journal of Chemical Physics</i> , 1986, 84, 6955-6968.	3.0	34
4	Supercritical analysis of strongly nonlinear vortices in magnetized ferrofluids. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1999, 455, 23-67.	2.1	8
5	Effects of gravity on the steady state of a reaction in a liquid-state microreactor—deviations from Poiseuille flow. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1219-1224.	2.8	7
6	The effect of gravity on the rate of a simple neutralisation reaction in a small, open cylindrical vessel. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1587-1591.	2.8	6
7	The Influence of Particle Diffusion on Couette—Taylor Instability of a Radially Magnetized Ferrofluid. <i>Journal of Colloid and Interface Science</i> , 1996, 179, 628-630.	9.4	4
8	Improved Hodgkin—Huxley type model for neural action potentials. <i>European Biophysics Journal</i> , 2021, 50, 819-828.	2.2	4
9	A Dynamical System for Action Potentials in the Giant Axon of the Squid. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20350-20361.	3.1	2
10	Finite electric boundary-layer solutions of a generalized Poisson—Boltzmann equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150024.	2.1	1
11	Spontaneous Thermal Convection in the Vicinity of Electrolyte/Water Interfaces. <i>Journal of Colloid and Interface Science</i> , 1999, 215, 193-195.	9.4	0