

Cem Yolcu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

246
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

242
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Effective Field Theory approach towards membrane-mediated interactions between particles. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 89-109. | 14.7 | 43 |
| 2 | Membrane-mediated interactions between rigid inclusions: An effective field theory. <i>Physical Review E</i> , 2012, 86, 031906. | 2.1 | 40 |
| 3 | Effective field theory approach to Casimir interactions on soft matter surfaces. <i>Europhysics Letters</i> , 2011, 96, 20003. | 2.0 | 29 |
| 4 | Effective field theory approach to fluctuation-induced forces between colloids at an interface. <i>Physical Review E</i> , 2012, 85, 011140. | 2.1 | 22 |
| 5 | Influence of the Size and Curvedness of Neural Projections on the Orientationally Averaged Diffusion MR Signal. <i>Frontiers in Physics</i> , 2018, 6, . | 2.1 | 22 |
| 6 | NMR signal for particles diffusing under potentials: From path integrals and numerical methods to a model of diffusion anisotropy. <i>Physical Review E</i> , 2016, 93, 052602. | 2.1 | 21 |
| 7 | Orientationally-averaged diffusion-attenuated magnetic resonance signal for locally-anisotropic diffusion. <i>Scientific Reports</i> , 2019, 9, 4899. | 3.3 | 14 |
| 8 | A General Fluctuation-Response Relation for Noise Variations and its Application to Driven Hydrodynamic Experiments. <i>Journal of Statistical Physics</i> , 2017, 167, 29-45. | 1.2 | 13 |
| 9 | Effective Potential for Magnetic Resonance Measurements of Restricted Diffusion. <i>Frontiers in Physics</i> , 2017, 5, . | 2.1 | 12 |
| 10 | Fabrication of metallic nanoparticles by spinodal dewetting of thin films: A high-throughput approach. <i>Thin Solid Films</i> , 2012, 522, 473-479. | 1.8 | 10 |
| 11 | Thermal response of nonequilibrium $\langle \mathbf{r} \cdot \mathbf{C} \rangle$. <i>Physical Review E</i> , 2016, 94, 022144. | 2.1 | 8 |
| 12 | Linear response of hydrodynamically-coupled particles under a nonequilibrium reservoir. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 033209. | 2.3 | 4 |
| 13 | Magnetic Resonance Assessment of Effective Confinement Anisotropy with Orientationally-Averaged Single and Double Diffusion Encoding. <i>Mathematics and Visualization</i> , 2021, , 203-223. | 0.6 | 4 |
| 14 | Multidimensional Diffusion MRI Methods With Confined Subdomains. <i>Frontiers in Physics</i> , 2022, 10, . | 2.1 | 3 |
| 15 | Diffusion-Weighted Magnetic Resonance Signal for General Gradient Waveforms: Multiple Correlation Function Framework, Path Integrals, and Parallels Between Them. <i>Mathematics and Visualization</i> , 2015, , 3-19. | 0.6 | 1 |
| 16 | Frenkel-Kontorova models, pinned particle configurations, and Burgers shocks. <i>Physical Review B</i> , 2010, 81, . | 3.2 | 0 |