

Efe Ilker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7445975/publications.pdf>

Version: 2024-02-01

16
papers

1,068
citations

759190

12
h-index

839512

18
g-index

20
all docs

20
docs citations

20
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme sensitivity biosensing platform based on hyperbolic metamaterials. Nature Materials, 2016, 15, 621-627.	27.5	609
2	Phase-Change-Material-Based Low-Loss Visible-Frequency Hyperbolic Metamaterials for Ultrasensitive Label-Free Biosensing. Advanced Optical Materials, 2019, 7, 1900081.	7.3	74
3	Enhancing the Angular Sensitivity of Plasmonic Sensors Using Hyperbolic Metamaterials. Advanced Optical Materials, 2016, 4, 1767-1772.	7.3	69
4	Controlling the speed and trajectory of evolution with counterdiabatic driving. Nature Physics, 2021, 17, 135-142.	16.7	61
5	Hyperbolic metamaterials-based plasmonic biosensor for fluid biopsy with single molecule sensitivity. EPJ Applied Metamaterials, 2017, 4, 1.	1.5	39
6	Phase separation and nucleation in mixtures of particles with different temperatures. Physical Review Research, 2020, 2, .	3.6	28
7	High q -state clock spin glasses in three dimensions and the Lyapunov exponents of chaotic phases and chaotic phase boundaries. Physical Review E, 2013, 87, .	2.1	27
8	Overfrustrated and underfrustrated spin glasses ind=3and 2: Evolution of phase diagrams and chaos including spin-glass order ind=2. Physical Review E, 2014, 89, 042139.	2.1	26
9	Iridescence-free and narrowband perfect light absorption in critically coupled metal high-index dielectric cavities. Optics Letters, 2017, 42, 3598.	3.3	25
10	Odd- q -state clock spin-glass models in three dimensions, asymmetric phase diagrams, and multiple algebraically ordered phases. Physical Review E, 2014, 90, 062112.	2.1	24
11	Modeling the Growth of Organisms Validates a General Relation between Metabolic Costs and Natural Selection. Physical Review Letters, 2019, 122, 238101.	7.8	23
12	Noise Filtering and Prediction in Biological Signaling Networks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2016, 2, 16-30.	2.1	18
13	Evolution of a confluent gut epithelium under on-chip cyclic stretching. Physical Review Research, 2022, 4, .	3.6	12
14	Shortcuts in Stochastic Systems and Control of Biophysical Processes. Physical Review X, 2022, 12, .	8.9	12
15	Long-time diffusion and energy transfer in polydisperse mixtures of particles with different temperatures. Physical Review Research, 2021, 3, .	3.6	9
16	Growth and shape stability of Cu-Ni core-shell nanoparticles: an atomistic perspective. Chemical Communications, 2018, 54, 13583-13586.	4.1	5