

John A Parker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1512680/publications.pdf>

Version: 2024-02-01

10
papers

195
citations

1478505

6
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Crossover from positive to negative optical torque in mesoscale optical matter. <i>Nature Communications</i> , 2018, 9, 4897.	12.8	50
2	Selective Induction of Optical Magnetism. <i>Nano Letters</i> , 2017, 17, 7196-7206.	9.1	34
3	Optical matter machines: angular momentum conversion by collective modes in optically bound nanoparticle arrays. <i>Optica</i> , 2020, 7, 1341.	9.3	28
4	Reactive optical matter: light-induced motility in electrodynamically asymmetric nanoscale scatterers. <i>Light: Science and Applications</i> , 2018, 7, 105.	16.6	26
5	Controlling the Dynamics and Optical Binding of Nanoparticle Homodimers with Transverse Phase Gradients. <i>Nano Letters</i> , 2019, 19, 897-903.	9.1	25
6	Dynamics of the Optically Directed Assembly and Disassembly of Gold Nanoplatelet Arrays. <i>Nano Letters</i> , 2018, 18, 3391-3399.	9.1	20
7	Designing "Metamolecules" for Photonic Function: Reduced Backscattering. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000169.	1.5	4
8	Data-driven reaction coordinate discovery in overdamped and non-conservative systems: application to optical matter structural isomerization. <i>Nature Communications</i> , 2021, 12, 2548.	12.8	3
9	Understanding and design of non-conservative optical matter systems using Markov state models. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1228-1238.	3.4	3
10	Facile Measurement of the Rotation of a Single Optically Trapped Nanoparticle Using the Diagonal Ratio of a Quadrant Photodiode. <i>ACS Photonics</i> , 2021, 8, 3162-3172.	6.6	2