

Guillaume Weick

List of Publications by Year in descending order

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36
papers

833
citations

516710

16
h-index

477307

29
g-index

37
all docs

37
docs citations

37
times ranked

890
citing authors

#	ARTICLE	IF	CITATIONS
1	Dirac-like Plasmons in Honeycomb Lattices of Metallic Nanoparticles. <i>Physical Review Letters</i> , 2013, 110, 106801.	7.8	115
2	Topological collective plasmons in bipartite chains of metallic nanoparticles. <i>Physical Review B</i> , 2017, 95, .	3.2	83
3	Lifetime of the first and second collective excitations in metallic nanoparticles. <i>Physical Review B</i> , 2005, 72, .	3.2	74
4	Surface plasmon in metallic nanoparticles: Renormalization effects due to electron-hole excitations. <i>Physical Review B</i> , 2006, 74, .	3.2	74
5	Topological plasmons in dimerized chains of nanoparticles: robustness against long-range quasistatic interactions and retardation effects. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	38
6	Topological Phases of Polaritons in a Cavity Waveguide. <i>Physical Review Letters</i> , 2019, 123, 217401.	7.8	38
7	Manipulating type-I and type-II Dirac polaritons in cavity-embedded honeycomb metasurfaces. <i>Nature Communications</i> , 2018, 9, 2194.	12.8	37
8	Lifetime of the surface magnetoplasmons in metallic nanoparticles. <i>Physical Review B</i> , 2011, 83, .	3.2	35
9	Current-induced conformational switching in single-molecule junctions. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 345-354.	2.3	34
10	Euler buckling instability and enhanced current blockade in suspended single-electron transistors. <i>Physical Review B</i> , 2011, 83, .	3.2	29
11	Nonradiative limitations to plasmon propagation in chains of metallic nanoparticles. <i>Physical Review B</i> , 2016, 94, .	3.2	26
12	Discontinuous Euler instability in nanoelectromechanical systems. <i>Physical Review B</i> , 2010, 81, .	3.2	25
13	Retardation effects on the dispersion and propagation of plasmons in metallic nanoparticle chains. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 025301.	1.8	25
14	Decay of dark and bright plasmonic modes in a metallic nanoparticle dimer. <i>Physical Review B</i> , 2015, 91, .	3.2	24
15	Plasmon polaritons in cubic lattices of spherical metallic nanoparticles. <i>Physical Review B</i> , 2018, 97, .	3.2	18
16	Tunable plasmon polaritons in arrays of interacting metallic nanoparticles. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	17
17	Radiative frequency shifts in nanoplasmonic dimers. <i>Physical Review B</i> , 2017, 96, .	3.2	16
18	Parametric resonance and spin-charge separation in 1D fermionic systems. <i>Europhysics Letters</i> , 2010, 89, 40005.	2.0	14

#	ARTICLE	IF	CITATIONS
19	Large current noise in nanoelectromechanical systems close to continuous mechanical instabilities. <i>Physical Review B</i> , 2012, 85, .	3.2	14
20	Orbital magnetism in ensembles of gold nanoparticles. <i>Physical Review B</i> , 2018, 98, .	3.2	12
21	Plasmons in two-dimensional lattices of near-field coupled nanoparticles. <i>Physical Review B</i> , 2020, 102, .	3.2	10
22	Friction of the surface plasmon by high-energy particle-hole pairs. <i>European Physical Journal D</i> , 2007, 44, 351-358.	1.3	9
23	Sidebands in the light absorption of driven metallic nanoparticles. <i>European Physical Journal D</i> , 2007, 44, 359-366.	1.3	9
24	Dirac plasmons in bipartite lattices of metallic nanoparticles. <i>2D Materials</i> , 2015, 2, 014008.	4.4	9
25	Plasmonic modes in cylindrical nanoparticles and dimers. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200530.	2.1	9
26	Anomaly in the relaxation dynamics close to the surface plasmon resonance. <i>Europhysics Letters</i> , 2007, 78, 27002.	2.0	7
27	Cotunneling, current blockade, and backaction forces in nanobeams close to the Euler buckling instability. <i>Physical Review B</i> , 2011, 84, .	3.2	4
28	Signatures of folded branches in the scanning gate microscopy of ballistic electronic cavities. <i>SciPost Physics</i> , 2021, 10, .	4.9	4
29	Quantum theory of plasmon polaritons in chains of metallic nanoparticles: From near- to far-field coupling regime. <i>Physical Review B</i> , 2021, 104, .	3.2	4
30	Compression modulus of macroscopic fiber bundles. <i>Europhysics Letters</i> , 2003, 64, 647-653.	2.0	3
31	Parametric amplification of magnetoplasmons in semiconductor quantum dots. <i>Physical Review B</i> , 2011, 84, .	3.2	3
32	Transmission phase of a quantum dot and statistical fluctuations of partial-width amplitudes. <i>Physical Review E</i> , 2014, 89, 052911.	2.1	3
33	Correlation between peak-height modulation and phase lapses in transport through quantum dots. <i>Physical Review E</i> , 2017, 96, 062208.	2.1	1
34	Magnetic response of metallic nanoparticles: Geometric and weakly relativistic effects. <i>Physical Review B</i> , 2021, 104, .	3.2	1
35	A plasmonic analog of graphene. <i>SPIE Newsroom</i> , 0, , .	0.1	0
36	Spontaneous orbital magnetization of mesoscopic dipole dimers. <i>Physical Review B</i> , 2022, 105, .	3.2	0