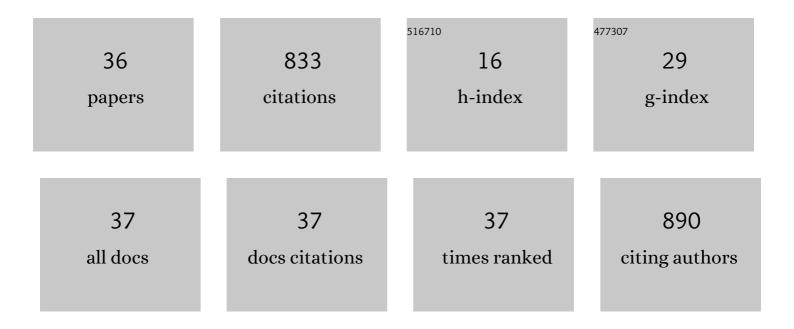
Guillaume Weick

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2690377/publications.pdf Version: 2024-02-01



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

GUILLAUME WEICK

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