Marc Dignam

List of Publications by Year
in descending order

31 papers	587 citations	759233 12 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	613 citing authors

#	Article	IF	Citations
1	High harmonic generation in undoped graphene: Interplay of inter- and intraband dynamics. Physical Review B, 2014, 90, .	3.2	128
2	Conditions for Dynamic Localization in Generalized ac Electric Fields. Physical Review Letters, 2002, 88, 046806.	7.8	86
3	Nonlinear terahertz field-induced carrier dynamics in photoexcited epitaxial monolayer graphene. Physical Review B, 2015, 91, .	3.2	60
4	Optimizing third-harmonic generation at terahertz frequencies in graphene. Physical Review B, 2015, 91, .	3.2	56
5	Effect of local field enhancement on the nonlinear terahertz response of a silicon-based metamaterial. Physical Review B, 2013, 88, .	3.2	49
6	Nonperturbative model of harmonic generation in undoped graphene in the terahertz regime. New Journal of Physics, 2015, 17, 113018.	2.9	39
7	Nonlinear transmission of an intense terahertz field through monolayer graphene. AIP Advances, 2014, 4, 117118.	1.3	24
8	High-field response of gated graphene at terahertz frequencies. Physical Review B, 2015, 92, .	3.2	20
9	Effects of environmental conditions on the ultrafast carrier dynamics in graphene revealed by terahertz spectroscopy. Physical Review B, 2017, 95, .	3.2	17
10	Nonlinear response of bilayer graphene at terahertz frequencies. Physical Review B, 2016, 94, .	3.2	16
11	Valley polarization in biased bilayer graphene using circularly polarized light. Physical Review B, 2021, 103, .	3.2	15
12	Squeezed thermal states: the result of parametric down conversion in lossy cavities. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1587.	2.1	14
13	Effect of microscopic scattering on the nonlinear transmission of terahertz fields through monolayer graphene. Physical Review B, 2019, 99, .	3.2	13
14	Nonlinear response of biased bilayer graphene at terahertz frequencies. Physical Review B, 2017, 96, .	3.2	10
15	Optimized nonlinear terahertz response of graphene in a parallel-plate waveguide. APL Photonics, 2019, 4, .	5.7	8
16	Third-harmonic terahertz generation from graphene in a parallel-plate waveguide. Physical Review A, 2018, 97, .	2.5	7
17	Continuous-variable entanglement in a two-mode lossy cavity: An analytic solution. Physical Review A, 2021, 103, .	2.5	6
18	Effects of microscopic scattering on terahertz third harmonic generation in monolayer graphene. Physical Review B, 2022, 105, .	3.2	5

#	Article	IF	Citations
19	Counterpropagating continuous-variable entangled states in lossy coupled-cavity optical waveguides. Physical Review A, 2019, 100, .	2.5	4
20	Optimization of a lossy microring resonator system for the generation of quadrature-squeezed states. Physical Review A, 2020, 102, .	2.5	3
21	Impact of nitrogen doping on the linear and nonlinear terahertz response of graphene. Physical Review B, 2021, 104, .	3.2	3
22	Pump-induced terahertz anisotropy in bilayer graphene. Physical Review B, 2022, 105, .	3.2	2
23	Exact dynamic localization in curved AlGaAs optical waveguide arrays. , 2007, , .		1
24	Simple way to incorporate loss when modeling multimode-entangled-state generation. Physical Review A, 2022, 105, .	2.5	1
25	Dynamic Localization in Curved AlGaAs Waveguide Arrays. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
26	High harmonic generation in monolayer undoped graphene at terahertz frequencies. , 2014, , .		0
27	Nonlinear terahertz-field-induced carrier dynamics in photoexcited graphene. , 2014, , .		0
28	The frequency dependence of third harmonic generation in undoped monolayer graphene at terahertz frequencies. , 2015, , .		0
29	Optical-pump/intense-THz-probe spectroscopy of gated graphene. , 2016, , .		0
30	Effects of environmental changes on the carrier dynamics in graphene revealed by terahertz spectroscopy. , 2016, , .		0
31	Spatially Separated Generalized Two-Mode Squeezed Vacuum States in Lossy Coupled Resonator Optical Waveguides. , 2019, , .		0