

# Hassan A Hafez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11151131/publications.pdf>

Version: 2024-02-01

14  
papers

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citations

1163117

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1199594

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docs citations

14  
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1021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely efficient terahertz high-harmonic generation in graphene by hot Dirac fermions. <i>Nature</i> , 2018, 561, 507-511.	27.8	365
2	Terahertz Nonlinear Optics of Graphene: From Saturable Absorption to High-Order Harmonics Generation. <i>Advanced Optical Materials</i> , 2020, 8, 1900771.	7.3	97
3	Grating-Graphene Metamaterial as a Platform for Terahertz Nonlinear Photonics. <i>ACS Nano</i> , 2021, 15, 1145-1154.	14.6	69
4	Nonlinear terahertz field-induced carrier dynamics in photoexcited epitaxial monolayer graphene. <i>Physical Review B</i> , 2015, 91, .	3.2	60
5	Electrical tunability of terahertz nonlinearity in graphene. <i>Science Advances</i> , 2021, 7, .	10.3	52
6	Covellite CuS nanocrystals: realizing rapid microwave-assisted synthesis in air and unravelling the disappearance of their plasmon resonance after coupling with carbon nanotubes. <i>Nanoscale</i> , 2016, 8, 12946-12957.	5.6	21
7	High-field response of gated graphene at terahertz frequencies. <i>Physical Review B</i> , 2015, 92, .	3.2	20
8	Intense terahertz field effects on photoexcited carrier dynamics in gated graphene. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	18
9	MV/cm terahertz pulses from relativistic laser-plasma interaction characterized by nonlinear terahertz absorption bleaching in n-doped InGaAs. <i>Optics Express</i> , 2017, 25, 17511.	3.4	7
10	Ultrafast Plasma Electron Dynamics: A Route to Terahertz Pulse Shaping. <i>Physical Review Applied</i> , 2020, 13, .	3.8	5
11	Plasmonic Terahertz Nonlinearity in Graphene Disks. <i>Advanced Photonics Research</i> , 2022, 3, 2100218.	3.6	3
12	Observation of strong magneto plasmonic nonlinearity in bilayer graphene discs. <i>JPhys Photonics</i> , 2021, 3, 01LT01.	4.6	2
13	Graphene: The Ultimate Nonlinear Material at Terahertz Frequencies. , 2019, , .		1
14	Control of Terahertz Nonlinearity in Graphene by Gating. , 2019, , .		0