

# Vito Despoja

## List of Publications by Year in descending order

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27  
papers

358  
citations

840585

11  
h-index

794469

19  
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27  
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27  
docs citations

27  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changing character of electronic transitions in graphene: From single-particle excitations to plasmons. <i>Physical Review B</i> , 2015, 91, .	1.1	56
2	Optical absorption and conductivity in quasi-two-dimensional crystals from first principles: Application to graphene. <i>Physical Review B</i> , 2016, 93, .	1.1	53
3	Benchmarking van der Waals functionals with noncontact RPA calculations on graphene-Ag(111). <i>Physical Review B</i> , 2014, 90, .	1.1	33
4	Optical absorption and transmission in a molybdenum disulfide monolayer. <i>Physical Review B</i> , 2016, 94, .	1.1	26
5	<i>Ab initio</i> study of the electron energy loss function in a graphene-sapphire-graphene composite system. <i>Physical Review B</i> , 2017, 96, .	1.1	22
6	Experimental and Theoretical Investigation of the Anti-Ferromagnetic Coupling of Cr <sup>III</sup> Ions through Diamagnetic $\text{VO}_2$ Bridges. <i>Inorganic Chemistry</i> , 2017, 56, 6879-6889.	1.9	16
7	Strong two-dimensional plasmon in Li-intercalated hexagonal boron-nitride film with low damping. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	3.9	15
8	<i>Ab initio</i> study of electronic excitations and the dielectric function in molybdenum disulfide monolayer. <i>Physical Review B</i> , 2016, 94, .	1.1	14
9	Analytical modeling of electron energy loss spectroscopy of graphene: <i>Ab initio</i> study versus extended hydrodynamic model. <i>Ultramicroscopy</i> , 2018, 184, 134-142.	0.8	13
10	Plasmonically assisted channels of photoemission from metals. <i>Physical Review B</i> , 2021, 103, .	1.1	13
11	Strong acoustic plasmons in chemically doped graphene induced by a nearby metal surface. <i>Physical Review B</i> , 2019, 100, .	1.1	12
12	<i>Ab initio</i> study of electromagnetic modes in two-dimensional semiconductors: Application to doped phosphorene. <i>Physical Review B</i> , 2021, 104, .	1.1	12
13	Ge Quantum Dots Coated with Metal Shells (Al, Ta, and Ti) Embedded in Alumina Thin Films for Solar Energy Conversion. <i>ACS Applied Nano Materials</i> , 2020, 3, 8640-8650.	2.4	10
14	Optical absorption in array of Ge/Al-shell nanoparticles in an Alumina matrix. <i>Scientific Reports</i> , 2020, 10, 65.	1.6	7
15	Sulfur Structures on Bare and Graphene-Covered Ir(111). <i>Journal of Physical Chemistry C</i> , 2020, 124, 6659-6668.	1.5	7
16	Cavity exciton polaritons in two-dimensional semiconductors from first principles. <i>Physical Review Research</i> , 2021, 3, .	1.3	7
17	Bias-controlled plasmon switching in lithium-doped graphene on dielectric model Al <sub>2</sub> O <sub>3</sub> substrate. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	3.9	6
18	Estimation of the single-particle band gap and exciton binding energy in two dimensional insulators: a modified $G_0W_0$ -BSE method approach. <i>New Journal of Physics</i> , 2020, 22, 063052.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Resolving the Mechanism of Acoustic Plasmon Instability in Graphene Doped by Alkali Metals. International Journal of Molecular Sciences, 2022, 23, 4770.	1.8	5
20	Tailoring a Molecule's Optical Absorbance Using Surface Plasmonics. Journal of Physical Chemistry C, 2019, 123, 26498-26508.	1.5	4
21	Insights on the Excitation Spectrum of Graphene Contacted with a Pt Skin. Nanomaterials, 2020, 10, 703.	1.9	4
22	Wake potential in graphene-insulator-graphene composite systems. Physical Review B, 2019, 100, .	1.1	3
23	Magnetoelectric Multiferroicity and Magnetic Anisotropy in Guanidinium Copper(II) Formate Crystal. Materials, 2021, 14, 1730.	1.3	3
24	Infra-Red Active Dirac Plasmon Serie in Potassium Doped-Graphene (KC8) Nanoribbons Array on Al <sub>2</sub> O <sub>3</sub> Substrate. Materials, 2021, 14, 4256.	1.3	3
25	LCAO-TDDFT-k-ĭ% : spectroscopy in the optical limit. Journal of Physics Condensed Matter, 2020, 32, 415901.	0.7	3
26	Prediction of Strong Transversal s(Te) Exciton-Polaritons in C60 Thin Crystalline Films. International Journal of Molecular Sciences, 2022, 23, 6943.	1.8	3
27	Wake effect in interactions of ions with graphene-sapphire-graphene composite system. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114447.	1.3	2