

Jenaina Ribeiro Soares

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,162
citations

471509

17
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural analysis of polycrystalline graphene systems by Raman spectroscopy. Carbon, 2015, 95, 646-652.	10.3	184
2	Group theory analysis of phonons in two-dimensional transition metal dichalcogenides. Physical Review B, 2014, 90, .	3.2	182
3	Resonance effects on the Raman spectra of graphene superlattices. Physical Review B, 2013, 88, .	3.2	128
4	Second Harmonic Generation in WSe ₂ . 2D Materials, 2015, 2, 045015.	4.4	88
5	Group theory for structural analysis and lattice vibrations in phosphorene systems. Physical Review B, 2015, 91, .	3.2	82
6	Coffee growing altitude influences the microbiota, chemical compounds and the quality of fermented coffees. Food Research International, 2020, 129, 108872.	6.2	62
7	The use of Raman spectroscopy to characterize the carbon materials found in Amazonian anthrosoils. Journal of Raman Spectroscopy, 2013, 44, 283-289.	2.5	59
8	Microscopy and spectroscopy analysis of carbon nanostructures in highly fertile Amazonian anthrosoils. Soil and Tillage Research, 2012, 122, 61-66.	5.6	48
9	Carbon Stability of Engineered Biochar-Based Phosphate Fertilizers. ACS Sustainable Chemistry and Engineering, 2018, 6, 14203-14212.	6.7	39
10	DIFFERENT PLANT BIOMASS CHARACTERIZATIONS FOR BIOCHAR PRODUCTION. Cerne, 2017, 23, 529-536.	0.9	36
11	Probing Spatial Phonon Correlation Length in Post-Transition Metal Monochalcogenide GaS Using Tip-Enhanced Raman Spectroscopy. Nano Letters, 2019, 19, 7357-7364.	9.1	30
12	Temperature-dependent phonon dynamics of supported and suspended monolayer tungsten diselenide. AIP Advances, 2019, 9, .	1.3	27
13	Production of engineered-biochar under different pyrolysis conditions for phosphorus removal from aqueous solution. Science of the Total Environment, 2022, 816, 151559.	8.0	23
14	Ultra-weak interlayer coupling in two-dimensional gallium selenide. Physical Chemistry Chemical Physics, 2016, 18, 25401-25408.	2.8	22
15	Enhanced Mechanical Stability of Gold Nanotips through Carbon Nanocone Encapsulation. Scientific Reports, 2015, 5, 10408.	3.3	21
16	Depth dependence of black carbon structure, elemental and microbiological composition in anthropic Amazonian dark soil. Soil and Tillage Research, 2016, 155, 298-307.	5.6	21
17	Monitoring the Applied Strain in Monolayer Gallium Selenide through Vibrational Spectroscopies: A First-Principles Investigation. Physical Review Applied, 2019, 11, .	3.8	17
18	Raman spectroscopy polarization dependence analysis in two-dimensional gallium sulfide. Physical Review B, 2020, 102, .	3.2	16

#	ARTICLE	IF	CITATIONS
19	Stable holey two-dimensional C_2N structures with tunable electronic structures. <i>Physical Review B</i> , 2018, 97, .	3.2	13
20	Exploring the structural and optoelectronic properties of natural insulating phlogopite in van der Waals heterostructures. <i>2D Materials</i> , 2022, 9, 035007.	4.4	12
21	Raman spectrum of layered jacutingaite (Pt_2HgSe_3) crystals—Experimental and theoretical study. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 357-365.	2.5	10
22	Temperature-dependent phonon dynamics and anharmonicity of suspended and supported few-layer gallium sulfide. <i>Nanotechnology</i> , 2020, 31, 495702.	2.6	10
23	Biochar-graphene oxide composite is efficient to adsorb and deliver copper and zinc in tropical soil. <i>Journal of Cleaner Production</i> , 2022, 360, 132170.	9.3	9
24	News and Views: Perspectives on Graphene and Other 2D Materials Research and Technology Investments. <i>Brazilian Journal of Physics</i> , 2014, 44, 278-282.	1.4	6
25	Raman spectrum of layered tilkerodeite (Pd_2HgSe_3) topological insulator: the palladium analogue of jacutingaite (Pt_2HgSe_3). <i>Journal of Physics Condensed Matter</i> , 2021, 33, 065401.	1.8	6
26	Influence of Methyl Groups in Triphenylmethane Dyes on Their Adsorption on Biochars from Coffee Husks. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	4
27	Electron Microscopy and Spectroscopy Analysis of Carbon Nanostructures in Highly Fertile Amazonian Anthrosoils. <i>Microscopy and Microanalysis</i> , 2012, 18, 1502-1503.	0.4	2
28	Superior stiffness and vibrational spectroscopic signature of two-dimensional diamond-like carbon nitrides. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 119, 114007.	2.7	2
29	Preparation of mesoporous activated carbon from defective coffee beans for adsorption of fresh whey proteins. <i>Acta Scientiarum - Technology</i> , 2019, 42, e45914.	0.4	1
30	Mechanical properties of layered tilkerodeite (Pd_2HgSe_3) and jacutingaite (Pt_2HgSe_3) crystals: Insights on the interlayer, intralayer interactions, and phonons. <i>Journal of Applied Physics</i> , 2021, 130, 015105.	2.5	1
31	Study of Carbon Nanostructures for Soil Fertility Improvement. <i>Nanomedicine and Nanotoxicology</i> , 2016, , 85-104.	0.2	1