Thiago L Vasconcelos

List of Publications by Year
in descending order

36	648	623188 14	580395 25
papers	citations	h-index	g-index

36	36	36	845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Localization of lattice dynamics in low-angle twisted bilayer graphene. Nature, 2021, 590, 405-409.	13.7	139
2	Linear carbon chains encapsulated in multiwall carbon nanotubes: Resonance Raman spectroscopy and transmission electron microscopy studies. Carbon, 2015, 90, 172-180.	5.4	63
3	Tuning Localized Surface Plasmon Resonance in Scanning Near-Field Optical Microscopy Probes. ACS Nano, 2015, 9, 6297-6304.	7.3	59
4	Plasmonâ€Tunable Tip Pyramids: Monopole Nanoantennas for Nearâ€Field Scanning Optical Microscopy. Advanced Optical Materials, 2018, 6, 1800528.	3.6	35
5	Fe₃O₄ Nanoparticles as Surfactant Carriers for Enhanced Oil Recovery and Scale Prevention. ACS Applied Nano Materials, 2020, 3, 5762-5772.	2.4	34
6	Probing Spatial Phonon Correlation Length in Post-Transition Metal Monochalcogenide GaS Using Tip-Enhanced Raman Spectroscopy. Nano Letters, 2019, 19, 7357-7364.	4.5	30
7	Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. Materials Science and Engineering C, 2020, 115, 111051.	3.8	26
8	High-performance electrochemical sensor based on molecularly imprinted polypyrrole-graphene modified glassy carbon electrode. Thin Solid Films, 2020, 699, 137875.	0.8	24
9	Optical Nanoantennas for Tip-Enhanced Raman Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	1.9	21
10	Anti-Stokes Raman Scattering of Single Carbyne Chains. ACS Nano, 2021, 15, 12249-12255.	7.3	20
11	Plasmon 3D Electron Tomography and Local Electric-Field Enhancement of Engineered Plasmonic Nanoantennas. ACS Photonics, 2018, 5, 2834-2842.	3.2	16
12	Physical Structure and Electrochemical Response of Diamondâ€“Graphite Nanoplatelets: From CVD Synthesis to Label-Free Biosensors. ACS Applied Materials & Interfaces, 2019, 11, 8470-8482.	4.0	16
13	Linkage Between Micro- and Nano-Raman Spectroscopy of Defects in Graphene. Physical Review Applied, 2020, 14, .	1.5	15
14	Mo-doped WO3 nanowires for adsorbing methylene blue dye from wastewater. Journal of Materials Science, 2020, 55, 6429-6440.	1.7	15
15	Heat Dissipation Interfaces Based on Vertically Aligned Diamond/Graphite Nanoplatelets. ACS Applied Materials & Interfaces, 2015, 7, 24772-24777.	4.0	14
16	Nanofabrication of plasmon-tunable nanoantennas for tip-enhanced Raman spectroscopy. Journal of Chemical Physics, 2020, 153, 114201.	1.2	14
17	Nano-optical Imaging of In-Plane Homojunctions in Graphene and MoS₂ van der Waals Heterostructures on Talc and SiO₂. Journal of Physical Chemistry Letters, 2021, 12, 7625-7631.	2.1	14
18	Impact of substrate on tip-enhanced Raman spectroscopy: A comparison between field-distribution simulations and graphene measurements. Physical Review Research, 2020, 2, .	1.3	14

#	Article	IF	Citations
19	Optical Properties of Plasmonâ€Tunable Tip Pyramids for Tipâ€Enhanced Raman Spectroscopy. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000212.	1.2	13
20	Interaction between lamellar twinning and catalyst dynamics in spontaneous coreâ€“shell InGaP nanowires. Nanoscale, 2015, 7, 12722-12727.	2.8	11
21	Structural and magnetic properties of titanate nano-heterostructures decorated with iron based nanoparticles. Journal of Physics and Chemistry of Solids, 2020, 145, 109561.	1.9	10
22	Photoinduced electron transfer dynamics of AuNPs and Au@PdNPs supported on graphene oxide probed by dark-field hyperspectral microscopy. Dalton Transactions, 2020, 49, 16296-16304.	1.6	7
23	Tip-Enhanced Stokesâ€“Anti-Stokes Scattering from Carbyne. Nano Letters, 2022, , .	4.5	7
24	Tip-enhanced Raman Spectroscopy of Graphene. , 2019, , .		5
25	Tip-Enhanced Raman spectroscopy investigations of core-shell Ag-proteins nanoparticles synthesized by Rhodotorula mucilaginosa and Rhodotorula glutinis fungi. Vibrational Spectroscopy, 2020, 110, 103104.	1.2	5
26	Tip-enhanced Raman spectroscopy of confined carbon chains. Journal of Chemical Physics, 2022, 156, 044203.	1.2	4
27	Study of growth properties of InAs islands on patterned InP substrates defined by focused ion beam. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 59-67.	1.3	3
28	Rational design of large flat nitrogen-doped graphene oxide quantum dots with green-luminescence suitable for biomedical applications. RSC Advances, 2022, 12, 14342-14355.	1.7	3
29	Inclusion of the sample-tip interaction term in the theory of tip-enhanced Raman spectroscopy. Physical Review B, 2022, 105, .	1.1	3
30	Revealing Pd Nanoparticles Formation from PEGâ€Mediated Decomposition of Organometallic Precursor and Their Application as Catalyst for the Synthesis of nâ€Extended Carbazoles.. ChemistrySelect, 2018, 3, 9725-9730.	0.7	2
31	Etching-Free Transfer and Nanoimaging of CVD-Grown MoS2 Monolayers. Journal of Physical Chemistry C, 2021, 125, 21011-21017.	1.5	2
32	Flashed copper and silver luster nano-structures: Characterization and technology. Ceramics International, 2016, 42, 7757-7766.	2.3	1
33	Two-dimensional ordered growth of InAs nanowires assisted by randomly deposited silver nanoparticles on a topographically modified surface by a focused ion beam. Applied Surface Science, 2019, 493, 271-278.	3.1	1
34	Study of the interaction between light and nanoantennas in Tip-Enhanced Raman Spectroscopy. , 2019, , .		1
35	Impact of nanoconfinement on acetylacetone Equilibria in Ordered Mesoporous Silicates. Nanotechnology, 2020, 31, 355706.	1.3	1
36	Characterizing inorganic crystals grown on organic self-assembled bilayers with scanning probe and electron microscopies. Microscopy Research and Technique, 2013, 76, 1278-1283.	1.2	0