

Thiago L Vasconcelos

List of Publications by Year in descending order

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36
papers

648
citations

623188

14
h-index

580395

25
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36
all docs

36
docs citations

36
times ranked

845
citing authors

#	ARTICLE	IF	CITATIONS
1	Tip-enhanced Raman spectroscopy of confined carbon chains. <i>Journal of Chemical Physics</i> , 2022, 156, 044203.	1.2	4
2	Tip-Enhanced Stokes- and Anti-Stokes Scattering from Carbyne. <i>Nano Letters</i> , 2022, , .	4.5	7
3	Rational design of large flat nitrogen-doped graphene oxide quantum dots with green-luminescence suitable for biomedical applications. <i>RSC Advances</i> , 2022, 12, 14342-14355.	1.7	3
4	Inclusion of the sample-tip interaction term in the theory of tip-enhanced Raman spectroscopy. <i>Physical Review B</i> , 2022, 105, .	1.1	3
5	Optical Nanoantennas for Tip-Enhanced Raman Spectroscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-11.	1.9	21
6	Localization of lattice dynamics in low-angle twisted bilayer graphene. <i>Nature</i> , 2021, 590, 405-409.	13.7	139
7	Anti-Stokes Raman Scattering of Single Carbyne Chains. <i>ACS Nano</i> , 2021, 15, 12249-12255.	7.3	20
8	Nano-optical Imaging of In-Plane Homojunctions in Graphene and MoS ₂ van der Waals Heterostructures on Talc and SiO ₂ . <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7625-7631.	2.1	14
9	Etching-Free Transfer and Nanoimaging of CVD-Grown MoS ₂ Monolayers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21011-21017.	1.5	2
10	Nanofabrication of plasmon-tunable nanoantennas for tip-enhanced Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 153, 114201.	1.2	14
11	Linkage Between Micro- and Nano-Raman Spectroscopy of Defects in Graphene. <i>Physical Review Applied</i> , 2020, 14, .	1.5	15
12	Photoinduced electron transfer dynamics of AuNPs and Au@PdNPs supported on graphene oxide probed by dark-field hyperspectral microscopy. <i>Dalton Transactions</i> , 2020, 49, 16296-16304.	1.6	7
13	Impact of nanoconfinement on acetylacetone Equilibria in Ordered Mesoporous Silicates. <i>Nanotechnology</i> , 2020, 31, 355706.	1.3	1
14	Tip-Enhanced Raman spectroscopy investigations of core-shell Ag-proteins nanoparticles synthesized by <i>Rhodotorula mucilaginosa</i> and <i>Rhodotorula glutinis</i> fungi. <i>Vibrational Spectroscopy</i> , 2020, 110, 103104.	1.2	5
15	Mo-doped WO ₃ nanowires for adsorbing methylene blue dye from wastewater. <i>Journal of Materials Science</i> , 2020, 55, 6429-6440.	1.7	15
16	Optical Properties of Plasmon-Tunable Tip Pyramids for Tip-Enhanced Raman Spectroscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000212.	1.2	13
17	High-performance electrochemical sensor based on molecularly imprinted polypyrrole-graphene modified glassy carbon electrode. <i>Thin Solid Films</i> , 2020, 699, 137875.	0.8	24
18	Structural and magnetic properties of titanate nano-heterostructures decorated with iron based nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 145, 109561.	1.9	10

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19	Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 115, 111051.	3.8	26
20	Fe ₃ O ₄ Nanoparticles as Surfactant Carriers for Enhanced Oil Recovery and Scale Prevention. <i>ACS Applied Nano Materials</i> , 2020, 3, 5762-5772.	2.4	34
21	Impact of substrate on tip-enhanced Raman spectroscopy: A comparison between field-distribution simulations and graphene measurements. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
22	Tip-enhanced Raman Spectroscopy of Graphene. , 2019, , .		5
23	Probing Spatial Phonon Correlation Length in Post-Transition Metal Monochalcogenide GaS Using Tip-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2019, 19, 7357-7364.	4.5	30
24	Physical Structure and Electrochemical Response of Diamondâ€“Graphite Nanoplatelets: From CVD Synthesis to Label-Free Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8470-8482.	4.0	16
25	Two-dimensional ordered growth of InAs nanowires assisted by randomly deposited silver nanoparticles on a topographically modified surface by a focused ion beam. <i>Applied Surface Science</i> , 2019, 493, 271-278.	3.1	1
26	Study of the interaction between light and nanoantennas in Tip-Enhanced Raman Spectroscopy. , 2019, , .		1
27	Revealing Pd Nanoparticles Formation from PEGâ€“Mediated Decomposition of Organometallic Precursor and Their Application as Catalyst for the Synthesis of nâ€“Extended Carbazoles.. <i>ChemistrySelect</i> , 2018, 3, 9725-9730.	0.7	2
28	Plasmon 3D Electron Tomography and Local Electric-Field Enhancement of Engineered Plasmonic Nanoantennas. <i>ACS Photonics</i> , 2018, 5, 2834-2842.	3.2	16
29	Plasmonâ€“Tunable Tip Pyramids: Monopole Nanoantennas for Nearâ€“Field Scanning Optical Microscopy. <i>Advanced Optical Materials</i> , 2018, 6, 1800528.	3.6	35
30	Study of growth properties of InAs islands on patterned InP substrates defined by focused ion beam. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 87, 59-67.	1.3	3
31	Flashed copper and silver luster nano-structures: Characterization and technology. <i>Ceramics International</i> , 2016, 42, 7757-7766.	2.3	1
32	Interaction between lamellar twinning and catalyst dynamics in spontaneous coreâ€“shell InGaP nanowires. <i>Nanoscale</i> , 2015, 7, 12722-12727.	2.8	11
33	Tuning Localized Surface Plasmon Resonance in Scanning Near-Field Optical Microscopy Probes. <i>ACS Nano</i> , 2015, 9, 6297-6304.	7.3	59
34	Linear carbon chains encapsulated in multiwall carbon nanotubes: Resonance Raman spectroscopy and transmission electron microscopy studies. <i>Carbon</i> , 2015, 90, 172-180.	5.4	63
35	Heat Dissipation Interfaces Based on Vertically Aligned Diamond/Graphite Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24772-24777.	4.0	14
36	Characterizing inorganic crystals grown on organic self-assembled bilayers with scanning probe and electron microscopies. <i>Microscopy Research and Technique</i> , 2013, 76, 1278-1283.	1.2	0