

Michele L De Souza

List of Publications by Year in descending order

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20
papers

714
citations

687363

13
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1448
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Performance of Citrate, Borohydride, Hydroxylamine and β -Cyclodextrin Silver Sols for Detecting Ibuprofen and Caffeine Pollutants by Means of Surface-Enhanced Raman Spectroscopy. <i>Nanomaterials</i> , 2020, 10, 2339.	4.1	8
2	Investigation of zirconium oxide growth in nuclear fuel element claddings by micro-Raman, ellipsometry, and Laser-Induced Breakdown Spectroscopy. <i>Vibrational Spectroscopy</i> , 2020, 111, 103134.	2.2	2
3	INVESTIGAÇÃO DO SOLVATOCROMISMO E IONOCROMISMO DO CORANTE AZUL DO NILO ATRAVÉS DAS ESPECTROSCOPIAS RAMAN, INFRAVERMELHO E UV-VIS. <i>Quimica Nova</i> , 2019, , .	0.3	1
4	Localized surface plasmon resonance enhanced photocatalysis: an experimental and theoretical mechanistic investigation. <i>RSC Advances</i> , 2018, 8, 28753-28762.	3.6	32
5	Elucidating Protein Involvement in the Stabilization of the Biogenic Silver Nanoparticles. <i>Nanoscale Research Letters</i> , 2016, 11, 313.	5.7	87
6	The performance of a self-cleaning cool cementitious surface. <i>Energy and Buildings</i> , 2016, 114, 200-205.	6.7	22
7	Critical assessment of enhancement factor measurements in surface-enhanced Raman scattering on different substrates. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21294-21301.	2.8	40
8	Bioconjugation of lipase and cholesterol oxidase with graphene or graphene oxide. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	5
9	Rapid Synthesis of Hollow Ag@Au Nanodendrites in 15 Seconds by Combining Galvanic Replacement and Precursor Reduction Reactions. <i>Chemistry - A European Journal</i> , 2014, 20, 15040-15046.	3.3	28
10	Vibrational study of adsorption of Congo red onto TiO ₂ and the LSPR effect on its photocatalytic degradation process. <i>RSC Advances</i> , 2014, 4, 23351-23358.	3.6	18
11	Formation of Ti(III) and Ti(IV) states in Ti ₃ O ₅ nano- and microfibers obtained from hydrothermal annealing of C-doped TiO ₂ on Si. <i>Thin Solid Films</i> , 2014, 558, 67-74.	1.8	17
12	Effect of silver nanoparticles on TiO ₂ -mediated photodegradation of Alizarin Red S. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 325-333.	20.2	71
13	Cu nanoparticles enable plasmonic-improved silicon photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15722.	2.8	13
14	Probing Dynamic Generation of Hot-Spots in Self-Assembled Chains of Gold Nanorods by Surface-Enhanced Raman Scattering. <i>Journal of the American Chemical Society</i> , 2011, 133, 7563-7570.	13.7	251
15	Surface-enhanced Raman scattering study of alizarin red S. <i>Vibrational Spectroscopy</i> , 2010, 54, 137-141.	2.2	14
16	Vibrational Study of Plasmon Effect in Photocatalytic Degradation of Congo Red and the Adsorption Mechanisms on Catalyst. , 2010, , .		0
17	Analysis of SERS Reproducibility on Nanoparticle Microarrays. , 2010, , .		1
18	Aplicação de espectroscopias raman e infravermelho na identificação e quantificação de plastificantes em filmes comerciais de PVC esticável. <i>Quimica Nova</i> , 2009, 32, 1452-1456.	0.3	13

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19	Surface-enhanced Raman study of electrochemical and photocatalytic degradation of the azo dye Janus Green B. Applied Catalysis B: Environmental, 2008, 77, 339-345.	20.2	30
20	Substrate development for surface-enhanced Raman study of photocatalytic degradation processes: Congo red over silver modified titanium dioxide films. Applied Catalysis B: Environmental, 2006, 69, 34-42.	20.2	61