Michele L De Souza

List of Publications by Year
in descending order

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	Probing Dynamic Generation of Hot-Spots in Self-Assembled Chains of Gold Nanorods by Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2011, 133, 7563-7570.	13.7	251
2	Elucidating Protein Involvement in the Stabilization of the Biogenic Silver Nanoparticles. Nanoscale Research Letters, 2016, 11, 313.	5.7	87
3	Effect of silver nanoparticles on TiO2-mediated photodegradation of Alizarin Red S. Applied Catalysis B: Environmental, 2013, 136-137, 325-333.	20.2	71
4	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
5	Critical assessment of enhancement factor measurements in surface-enhanced Raman scattering on different substrates. Physical Chemistry Chemical Physics, 2015, 17, 21294-21301.	2.8	40
6	Localized surface plasmon resonance enhanced photocatalysis: an experimental and theoretical mechanistic investigation. RSC Advances, 2018, 8, 28753-28762.	3.6	32
7	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
8	Rapid Synthesis of Hollow Agâ€“Au Nanodendrites in 15 Seconds by Combining Galvanic Replacement and Precursor Reduction Reactions. Chemistry - A European Journal, 2014, 20, 15040-15046.	3.3	28
9	The performance of a self-cleaning cool cementitious surface. Energy and Buildings, 2016, 114, 200-205.	6.7	22
10	Vibrational study of adsorption of Congo red onto TiO₂and the LSPR effect on its photocatalytic degradation process. RSC Advances, 2014, 4, 23351-23358.	3.6	18
11	Formation of Ti(III) and Ti(IV) states in Ti3O5 nano- and microfibers obtained from hydrothermal annealing of C-doped TiO2 on Si. Thin Solid Films, 2014, 558, 67-74.	1.8	17
12	Surface-enhanced Raman scattering study of alizarin red S. Vibrational Spectroscopy, 2010, 54, 137-141.	2.2	14
13	AplicaÃ§Ã£o de espectroscopias raman e infravermelho na identificaÃ§Ã£o e quantificaÃ§Ã£o de plastificantes em filmes comerciais de PVC esticÃ¡vel. Quimica Nova, 2009, 32, 1452-1456.	0.3	13
14	Cu nanoparticles enable plasmonic-improved silicon photovoltaic devices. Physical Chemistry Chemical Physics, 2012, 14, 15722.	2.8	13
15	Comparative Performance of Citrate, Borohydride, Hydroxylamine and Î²-Cyclodextrin Silver Sols for Detecting Ibuprofen and Caffeine Pollutants by Means of Surface-Enhanced Raman Spectroscopy. Nanomaterials, 2020, 10, 2339.	4.1	8
16	Bioconjugation of lipase and cholesterol oxidase with graphene or graphene oxide. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	5
17	Investigation of zirconium oxide growth in nuclear fuel element claddings by micro-Raman, ellipsometry, and Laser-Induced Breakdown Spectroscopy. Vibrational Spectroscopy, 2020, 111, 103134.	2.2	2
18	Analysis of SERS Reproducibility on Nanoparticle Microarrays. , 2010, , .		1

#	Article	IF	Citations
19	INVESTIGAÃ‡ÃƒO DO SOLVATOCROMISMO E IONOCROMISMO DO CORANTE AZUL DO NILO ATRAVÃ‰S DAS ESPECTROSCOPIAS RAMAN, INFRAVERMELHO E UV-VIS. Quimica Nova, 2019, , .	0.3	1
20	Vibrational Study of Plasmon Effect in Photocatalytic Degradation of Congo Red and the Adsorption Mechanisms on Catalyst. , 2010, , .		0