

# Daniel Grasseschi

## List of Publications by Year in descending order

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33  
papers

472  
citations

686830

13  
h-index

713013

21  
g-index

36  
all docs

36  
docs citations

36  
times ranked

769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous chemical functionalization via coordination of Au single atoms on monolayer MoS <sub>2</sub> . Science Advances, 2020, 6, .	4.7	56
2	Surface Enhanced Raman Scattering Spot Tests: A New Insight on Feigl's Analysis Using Gold Nanoparticles. Analytical Chemistry, 2010, 82, 9146-9149.	3.2	47
3	Graphene Oxide/Gold Nanorod Nanocomposite for Stable Surface-Enhanced Raman Spectroscopy. ACS Photonics, 2016, 3, 1027-1035.	3.2	40
4	Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as Surfactant Carriers for Enhanced Oil Recovery and Scale Prevention. ACS Applied Nano Materials, 2020, 3, 5762-5772.	2.4	34
5	Surface coordination chemistry of graphene: Understanding the coordination of single transition metal atoms. Coordination Chemistry Reviews, 2020, 422, 213469.	9.5	33
6	Unraveling the nature of Turkevich gold nanoparticles: the unexpected role of the dicarboxyketone species. RSC Advances, 2015, 5, 5716-5724.	1.7	30
7	The SERS effect in coordination chemistry. Coordination Chemistry Reviews, 2017, 333, 108-131.	9.5	30
8	A novel functionalisation process for glucose oxidase immobilisation in poly(methyl methacrylate) microchannels in a flow system for amperometric determinations. Talanta, 2014, 126, 20-26.	2.9	23
9	Phase transition and electronic structure investigation of MoS <sub>2</sub> -reduced graphene oxide nanocomposite decorated with Au nanoparticles. Nanotechnology, 2019, 30, 475707.	1.3	20
10	Unveiling the Structure of Polytetraruthenated Nickel Porphyrin by Raman Spectroelectrochemistry. Langmuir, 2015, 31, 4351-4360.	1.6	19
11	Hyperspectral dark-field microscopy of gold nanodisks. Micron, 2015, 69, 15-20.	1.1	19
12	Oxygen impact on the electronic and vibrational properties of black phosphorus probed by synchrotron infrared nanospectroscopy. 2D Materials, 2017, 4, 035028.	2.0	16
13	Superparamagnetic Maghemite-Based CdTe Quantum Dots as Efficient Hybrid Nanoprobes for Water-Bath Magnetic Particle Inspection. ACS Applied Nano Materials, 2018, 1, 2858-2868.	2.4	16
14	Photocatalytic Activity of Reduced Graphene Oxide-Gold Nanoparticle Nanomaterials: Interaction with Asphaltene and Conversion of a Model Compound. Energy & Fuels, 2018, 32, 2673-2680.	2.5	14
15	Real-time optofluidic surface-enhanced Raman spectroscopy based on a graphene oxide/gold nanorod nanocomposite. Optics Express, 2018, 26, 22698.	1.7	11
16	How relevant can the SERS effect in isolated nanoparticles be?. RSC Advances, 2013, 3, 24465.	1.7	9
17	Probing the dynamics of dithiooxamide coordinated to gold nanoparticles using SERS. Journal of Raman Spectroscopy, 2018, 49, 1478-1486.	1.2	8
18	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

#	ARTICLE	IF	CITATIONS
19	SERS studies of isolated and agglomerated gold nanoparticles functionalized with a dicarboxybipyridine-trimercaptotriazine-ruthenium dye. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 758-763.	1.2	6
20	Can reduced graphene oxide look like few-layer pristine graphene?. <i>Diamond and Related Materials</i> , 2021, 120, 108616.	1.8	6
21	3d transition metal coordination on monolayer MoS <sub>2</sub> : a facile doping method to functionalize surfaces. <i>Nanoscale</i> , 2022, 14, 10801-10815.	2.8	5
22	Wettability alteration of oil-wet carbonate rocks by chitosan derivatives for application in enhanced oil recovery. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50098.	1.3	4
23	Facile synthesis of labile gold nanodiscs by the Turkevich method. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	3
24	Automation of a low-cost device for flow synthesis of iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2022, 24, 1.	0.8	3
25	Gold nanoparticles functionalised with Ru-dicarboxybipyridine-trimercaptotriazine: SERS effect and application in plasmonic dye solar cells. <i>International Journal of Nanotechnology</i> , 2015, 12, 263.	0.1	2
26	Exploring the metallochromic behavior of pentacyanidoferrates in visual, electronic and Raman spot tests. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20180315.	0.3	2
27	Selective Synthesis of Bi <sub>2</sub> Te <sub>3</sub> /WS <sub>2</sub> Heterostructures with Strong Interlayer Coupling. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, , .	4.0	2
28	Surface Plasmon Resonance Platforms for Chemical and Bio Sensing. , 2021, , .		2
29	Confocal Raman microscopy and hyperspectral dark field microscopy imaging of chemical and biological systems. , 2015, , .		1
30	NANOMATERIAIS PLASMÔNICOS: PARTE I. FUNDAMENTOS DA ESPECTROSCOPIA DE NANOPARTÍCULAS E SUA RELAÇÃO COM O EFEITO SERS. <i>Quimica Nova</i> , 0, , .	0.3	1
31	NANOMATERIAIS PLASMÔNICOS: PARTE II. QUÍMICA DE COORDENAÇÃO DE SUPERFÍCIE E SUA APLICAÇÃO EM SENSORES E CATALISADORES. <i>Quimica Nova</i> , 2020, , .	0.3	1
32	Principal Component Analysis as a Tool for Electrochemical Characterization of Modified Electrodes: A Case Study. <i>Journal of the Electrochemical Society</i> , 0, , .	1.3	1
33	Optofluidic SERS in a Microcapillary Coated with a Graphene Oxide/Gold Nanorod Nanocomposite. , 2018, , .		0