

# Sandra Cruz

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

485  
citations

933264

10  
h-index

752573

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triboelectrochemical friction control of W- and Ag-doped DLC coatings in water-glycol with ionic liquids as lubricant additives. RSC Advances, 2022, 12, 3573-3583.	1.7	10
2	Overview on the Antimicrobial Activity and Biocompatibility of Sputtered Carbon-Based Coatings. Processes, 2021, 9, 1428.	1.3	9
3	Carbon-Based Coatings in Medical Textiles Surface Functionalisation: An Overview. Processes, 2021, 9, 1997.	1.3	7
4	The Impact of the Addition of Compatibilizers on Poly (lactic acid) (PLA) Properties after Extrusion Process. Polymers, 2020, 12, 2688.	2.0	1
5	Physicochemical and tribological characterizations of WDLC coatings and ionic-liquid lubricant additives: Potential candidates for low friction under boundary-lubrication conditions. Tribology International, 2020, 151, 106482.	3.0	11
6	TiO <sub>2</sub> -rGO nanocomposite as an efficient catalyst to photodegrade formalin in aquaculture's waters, under solar light. Environmental Science: Water Research and Technology, 2020, 6, 1018-1027.	1.2	23
7	Low-energy structures of clusters modeled with competing repulsive and either long- or moderate short-range attractive interactions. Computational and Theoretical Chemistry, 2017, 1107, 82-93.	1.1	3
8	Graphene: The Missing Piece for Cancer Diagnosis?. Sensors, 2016, 16, 137.	2.1	43
9	Improved evolutionary algorithm for the global optimization of clusters with competing attractive and repulsive interactions. Journal of Chemical Physics, 2016, 145, 154109.	1.2	8
10	A Detailed Study on the Low-Energy Structures of Charged Colloidal Clusters. Journal of Physical Chemistry B, 2016, 120, 3455-3466.	1.2	7
11	Spectroscopic investigation (FT-IR, FT-Raman and SERS), vibrational assignments, HOMO-LUMO analysis and molecular docking study of Opipramol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 547-559.	2.0	32
12	Potentialities of polymeric electrospun membranes decorated with silver nanoparticles and graphene oxide for biodetection by SERS. Ciência & Tecnologia Dos Materiais, 2014, 26, 102-107.	0.5	1
13	Vibrational spectroscopic studies (FT-IR, FT-Raman, SERS) and quantum chemical calculations on cyclobenzaprinium salicylate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 340-350.	2.0	33
14	Vibrational spectroscopic (FT-IR, FT-Raman, SERS) and quantum chemical calculations of 3-(10,10-dimethyl-anthracen-9-ylidene)-N,N,N-trimethylpropanaminium chloride (Melitraceniun) Tj ETQq0 0 0 rgBTz/OVerlock810 Tf 50 2		
15	DNA-poly(vinyl alcohol) gel matrices: Release properties are strongly dependent on electrolytes and cationic surfactants. Colloids and Surfaces B: Biointerfaces, 2013, 101, 111-117.	2.5	7
16	Graphene oxide versus functionalized carbon nanotubes as a reinforcing agent in a PMMA/HA bone cement. Nanoscale, 2012, 4, 2937.	2.8	115
17	Photoluminescent bimetallic-3-hydroxypicolinate/graphene oxide nanocomposite. RSC Advances, 2012, 2, 9443.	1.7	13
18	Cell uptake survey of pegylated nanographene oxide. Nanotechnology, 2012, 23, 465103.	1.3	52

#	ARTICLE	IF	CITATIONS
19	Release of DNA from cryogel PVA-DNA membranes. EXPRESS Polymer Letters, 2010, 4, 480-487.	1.1	15
20	Aggregation and micellization of sodium dodecyl sulfate in the presence of Ce(III) at different temperatures: A conductometric study. Journal of Colloid and Interface Science, 2008, 323, 141-145.	5.0	37
21	Functionalized Graphene Nanocomposites. , 0, , .		21