

Sergio A Dassie

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

535
citations

758635

12
h-index

676716

22
g-index

40
all docs

40
docs citations

40
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	Collision as a way of forming bimetallic nanoclusters of various structures and chemical compositions. <i>Journal of Chemical Physics</i> , 2005, 123, 184505.	1.2	87
2	Differential scanning calorimetry as a tool to estimate binding parameters in multiligand binding proteins. <i>Analytical Biochemistry</i> , 2006, 350, 277-284.	1.1	57
3	Ligand-induced thermostability in proteins: Thermodynamic analysis of ANS's albumin interaction. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1750, 122-133.	1.1	54
4	When do nanowires break? A model for the theoretical study of the long-term stability of monoatomic nanowires. <i>Chemical Physics Letters</i> , 2008, 460, 261-265.	1.2	25
5	Effect of ligand protonation on the facilitated ion transfer reactions across oil/water interfaces. IV. Buffer solution effect. <i>Journal of Electroanalytical Chemistry</i> , 2010, 645, 1-9.	1.9	19
6	Comparative analysis of the transfer of alkaline and alkaline-earth cations across the water/1,2-dichloroethane interface. <i>Electrochimica Acta</i> , 1995, 40, 2953-2959.	2.6	18
7	Binding of the Highly Toxic Tetracycline Derivative, Anhydrotetracycline, to Bovine Serum Albumin. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1301-1306.	0.6	18
8	Thermodynamic and structural analysis of homodimeric proteins: Model of β^2 -lactoglobulin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 383-391.	1.1	17
9	Atomistic computer simulations on the generation of bimetallic nanoparticles. <i>Faraday Discussions</i> , 2008, 138, 89-104.	1.6	16
10	Facilitated proton transfer or protonated species transfer reactions across oil water interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2014, 728, 51-59.	1.9	16
11	Protein Unfolding Coupled to Ligand Binding: Differential Scanning Calorimetry Simulation Approach. <i>Journal of Chemical Education</i> , 2005, 82, 85.	1.1	15
12	Ion-Transfer Processes across Liquid/Liquid Interfaces Promoted by a Convective Flux.. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 235-240.	2.0	13
13	Thermodynamic Model for the Analysis of Calorimetric Data of Oligomeric Proteins. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14325-14333.	1.2	13
14	Determination of flow patterns in a rotating disk electrode configuration by MRI. <i>Journal of Electroanalytical Chemistry</i> , 2015, 750, 100-106.	1.9	13
15	Externally Applied Electric Fields on Immiscible Lipid Monolayers: Repulsion between Condensed Domains Precludes Domain Migration. <i>Langmuir</i> , 2006, 22, 9664-9670.	1.6	12
16	Theoretical model of ion transfer-electron transfer coupled reactions at the thick-film modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 784, 25-32.	1.9	12
17	Some Theoretical Considerations Concerning Ion Hydration in the Case of Ion Transfer between Water and 1,2-Dichloroethane. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 549-554.	2.0	11
18	On the Stability of Ag/Au(111) Expanded Structures. <i>Langmuir</i> , 2002, 18, 6628-6632.	1.6	11

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19	Effect of ligand protonation on the facilitated ion transfer reactions across oil water interfaces. V. Applications of forced hydrodynamic conditions. Journal of Electroanalytical Chemistry, 2016, 765, 100-104.	1.9	10
20	Ion transfer of weak acids across liquid liquid interfaces. Journal of Electroanalytical Chemistry, 2016, 774, 111-121.	1.9	9
21	Facilitated proton transfer-electron transfer coupled reactions at thick-film modified electrodes. Electrochimica Acta, 2017, 258, 727-734.	2.6	9
22	An integrated theoretical-experimental approach to understand facilitated proton transfer-electron transfer coupled reactions at thick-film modified electrodes. Electrochimica Acta, 2018, 283, 1719-1731.	2.6	9
23	Anion Effect on the Solvent Extraction of Alkali Cations with Dibenzo-18-crown-6 in 1,2-Dichloroethane. Voltammetric and Spectroscopic Analysis.. Analytical Sciences, 1998, 14, 231-236.	0.8	8
24	Ion transfer across liquid liquid interface under forced hydrodynamic conditions. I: Digital simulations. Journal of Electroanalytical Chemistry, 2012, 666, 42-51.	1.9	7
25	A simple surface biofunctionalization strategy to inhibit the biofilm formation by Staphylococcus aureus on solid substrates. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110432.	2.5	7
26	On the photophysics of electrochemically generated silver nanoclusters: spectroscopic and theoretical characterization. Physical Chemistry Chemical Physics, 2020, 22, 16813-16821.	1.3	7
27	Theoretical Study about the Adsorption of Lead on (111), (100), (110) Monocrystalline Surfaces of Gold. Zeitschrift Fur Physikalische Chemie, 1994, 185, 33-50.	1.4	6
28	Facilitated proton transfer reactions via water autoprotolysis across oil water interfaces. Spectroelectrochemical analysis. Electrochimica Acta, 2019, 299, 430-440.	2.6	6
29	An integrated experimental-theoretical approach to understand the electron transfer mechanism of adsorbed ferrocene-terminated alkanethiol monolayers. Electrochimica Acta, 2018, 265, 303-315.	2.6	5
30	Facilitated proton transfer reactions via water autoprotolysis across oil water interfaces. Half-wave potential. Electrochimica Acta, 2020, 332, 135498.	2.6	5
31	Computer simulation of electrochemical nanostructuring induced by supersaturation conditions. Journal of Electroanalytical Chemistry, 2007, 607, 10-16.	1.9	4
32	Flowâ€Pattern Characterization of Biphasic Electrochemical Cells by Magnetic Resonance Imaging under Forced Hydrodynamic Conditions. ChemPhysChem, 2017, 18, 3469-3477.	1.0	4
33	Molecular Transport through TiO ₂ Mesoporous Thin Films: Correlation with the Partially Blocked Electrode Model. Journal of Physical Chemistry C, 2021, 125, 23521-23532.	1.5	4
34	Magnetic Resonance Imaging in Situ Visualization of an Electrochemical Reaction under Forced Hydrodynamic Conditions. ACS Omega, 2018, 3, 18630-18638.	1.6	2
35	Hanging meniscus rotating disk electrode: A theoretical perspective. Electrochimica Acta, 2019, 327, 135032.	2.6	2
36	Facilitated proton transfer via water autoprotolysis-electron transfer coupled reactions at thick-film modified electrodes. Electrochimica Acta, 2020, 349, 136316.	2.6	2

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37	An electroanalytical method for monitoring acid hydrolysis reactions using thick-film modified electrodes. <i>Electrochimica Acta</i> , 2021, 380, 137906.	2.6	2
38	Protein Oligomerization: Thermodynamic and Structural Analysis of the Dimerization of Beta-lactoglobulin. <i>Biophysical Journal</i> , 2010, 98, 28a-29a.	0.2	0
39	Facilitated Ion Transfer Reactions across Liquid Liquid Interfaces assisted by a Neutral Weak Acid: A Theoretical Approach.. <i>ChemElectroChem</i> , 0, , .	1.7	0
40	Facilitated Ion Transfer Reactions Across Liquid Liquid Interfaces Assisted by a Neutral Weak Acid: A Theoretical Approach. <i>ChemElectroChem</i> , 0, , .	1.7	0