Sergio Brochsztain

List of Publications by Year
in descending order

47 papers	942 citations	516710 16 h-index	477307 29 g-index
47 all docs	47 docs citations	47 times ranked	1291 citing authors

#	Article	IF	Citations
1	Photophysical characterization of a 1,4,5,8-naphthalenediimide derivative. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 111, 97-104.	3.9	132
2	Aggregation of 3,4,9,10-Perylenediimide Radical Anions and Dianions Generated by Reduction with Dithionite in Aqueous Solutions. Journal of Physical Chemistry A, 2009, 113, 1747-1752.	2.5	104
3	Highly Stable 3,4,9,10-Perylenediimide Radical Anions Immobilized in Robust Zirconium Phosphonate Self-Assembled Films. Langmuir, 2007, 23, 11972-11976.	3.5	59
4	Spectroscopic, Structural, and Functional Characterization of the Alternative Low-Spin State of Horse Heart Cytochrome c. Biophysical Journal, 2008, 94, 4066-4077.	0.5	44
5	A Novel Synthesis Route of Mesoporous Î³-Alumina from Polyoxohydroxide Aluminum. Materials Research, 2018, 21, .	1.3	37
6	Characterization of a Novel Water-Soluble 3,4,9,10-Perylenetetracarboxylic Diimide in Solution and in Self-Assembled Zirconium Phosphonate Thin Films. Langmuir, 2006, 22, 1680-1687.	3.5	36
7	Characterization of a Perylenediimide Self-Assembled Monolayer on Indium Tin Oxide Electrodes Using Electrochemical Impedance Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 4103-4112.	3.1	34
8	Stabilization of naphthalene-1,8:4,5-dicarboximide radicals in zirconium phosphonate solid materials and thin films. Journal of Materials Chemistry, 2002, 12, 1250-1255.	6.7	32
9	Ion binding and selectivity in zwitterionic micelles. The Journal of Physical Chemistry, 1990, 94, 6781-6785.	2.9	29
10	Inclusion complexes of naphthalimide derivatives with cyclodextrins. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 107, 195-200.	3.9	28
11	Color-Tunable Fluorescence and White Light Emission from Mesoporous Organosilicas Based on Energy Transfer from 1,8-Naphthalimide Hosts to Perylenediimide Guests. Journal of Physical Chemistry C, 2015, 119, 26989-26998.	3.1	23
12	Covalent attachment of 3,4,9,10-perylenediimides onto the walls of mesoporous molecular sieves MCM-41 and SBA-15. Microporous and Mesoporous Materials, 2008, 113, 463-471.	4.4	22
13	Solubilization of 1,4,5,8-Naphthalenediimides and 1,8-Naphthalimides through the Formation of Novel Hostâ^'Guest Complexes with Î±-Cyclodextrin. Langmuir, 1999, 15, 4486-4494.	3.5	21
14	Characterization of self-assembled thin films of zirconium phosphonate/aromatic diimides. Thin Solid Films, 2005, 492, 30-34.	1.8	21
15	Novel self-assembled films of zirconium phosphonate/1,4,5,8-naphthalenediimides. Thin Solid Films, 2000, 371, 109-113.	1.8	19
16	Functionalized mesoporous silicas SBA-15 for heterogeneous photocatalysis towards CECs removal from secondary urban wastewater. Chemosphere, 2022, 287, 132023.	8.2	19
17	Potential applications of cyclodextrins in enhanced oil recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 469, 42-50.	4.7	18
18	pH-Dependent Excited-State Properties of N,N-di(2-phosphonoethyl)-1,4,5,8-naphthalenediimide. Photochemistry and Photobiology, 1999, 70, 35-39.	2.5	16

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19	Solid state fluorescence of a 3,4,9,10-perylenetetracarboxylic diimide derivative encapsulated in the pores of mesoporous silica MCM-41. Microporous and Mesoporous Materials, 2007, 102, 258-264.	4.4	16
20	Covalent attachment of 4-amino-1,8-naphthalimides onto the walls of mesoporous molecular sieves MCM-41 and SBA-15. Dyes and Pigments, 2011, 89, 97-104.	3.7	16
21	Peroxidase Catalytic Cycle of MCM-41-Entrapped Microperoxidase-11 as a Mechanism for Phenol Oxidation. Journal of Nanoscience and Nanotechnology, 2007, 7, 3643-3652.	0.9	15
22	Modification of molecular sieves MCM-41 and SBA-15 with covalently grafted pyromellitimide and 1,4,5,8-naphthalenediimide. Journal of Colloid and Interface Science, 2012, 368, 34-40.	9.4	15
23	Polysilsesquioxane naphthalenediimide thermo and photochromic gels. Journal of Luminescence, 2018, 204, 685-691.	3.1	15
24	Synthesis of Novel Periodic Mesoporous Organosilicas Containing 1,4,5,8-Naphthalenediimides within the Pore Walls and Their Reduction To Generate Wall-Embedded Free Radicals. Langmuir, 2018, 34, 8195-8204.	3.5	14
25	pH-Dependent Excited-State Properties of N,Nâ€²-di(2-phosphonoethyl)-1,4,5,8-naphthalenediimide. Photochemistry and Photobiology, 1999, 70, 35.	2.5	14
26	Photophysical and photochemical properties of porphyrin and naphthalene diimide modified silica-gel particles. Journal of Non-Crystalline Solids, 2002, 304, 116-125.	3.1	13
27	Biogenic methane and carbon dioxide generation in organic-rich shales from southeastern Brazil. International Journal of Coal Geology, 2016, 162, 1-13.	5.0	13
28	Photoinduced electron transfer in silica-supported self-assembled thin films containing a 1,4,5,8-naphthalenetetracarboxylic diimide and cytochrome c. Journal of Materials Chemistry, 2004, 14, 54.	6.7	12
29	Photo-induced electron transfer in supramolecular materials of titania nanostructures and cytochrome c. RSC Advances, 2012, 2, 7417.	3.6	11
30	Inclusion Complexes of Cyclodextrins with 4-Amino-1,8-Naphthalimides. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 207-211.	1.6	10
31	Periodic mesoporous organosilicas containing naphthalenediimides within the pore walls for asphaltene adsorption. Microporous and Mesoporous Materials, 2020, 294, 109909.	4.4	10
32	Hydrocarbon generation in the Permian Irati organic-rich shales under the influence of the early cretaceous ParanÃ¡ Large Igneous Province. Marine and Petroleum Geology, 2020, 117, 104410.	3.3	10
33	Photoinduced electron transfer between cytochrome c and a novel 1,4,5,8-naphthalenetetracarboxylic diimide with amphiphilic character. Journal of Photochemistry and Photobiology B: Biology, 2005, 79, 1-9.	3.8	9
34	Reaction route control by microperoxidase-9/CTAB micelle ratios. Physical Chemistry Chemical Physics, 2006, 8, 1963.	2.8	9
35	Photochemical Reduction of Cytochrome c by a 1,4,5,8-Naphthalenediimide Radical Anion Â¶. Photochemistry and Photobiology, 2004, 80, 518.	2.5	7
36	Dye photodegradation employing mesoporous organosilicas functionalized with 1,8-naphthalimides as heterogeneous catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 316-325.	3.9	7

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37	Efficient Electronic Coupling in Perylenediimide Multilayered Films on Indium Tin Oxide. Journal of Physical Chemistry C, 2020, 124, 5541-5551.	3.1	7
38	Layer-by-Layer Naphthalenediimide/Zn Phosphonate Hybrid Films Grown from Aqueous Solutions by a Simple Deposition Technique. Langmuir, 2021, 37, 2494-2502.	3.5	7
39	Evaluation of Cyclodextrins as Environmentally Friendly Wettability Modifiers for Enhanced Oil Recovery. Colloids and Interfaces, 2018, 2, 10.	2.1	5
40	Novel periodic mesoporous organosilicas containing pyromellitimides and their application for the photodegradation of asphaltenes. Microporous and Mesoporous Materials, 2021, 312, 110740.	4.4	4
41	Inclusion complexes of cyclodextrins with 4-amino-1,8-naphthalimides (part 2). Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 68, 313-322.	1.6	3
42	Stabilization of free radicals in layer-by-layer nanoarchitectures containing multiple arylenediimides. Dyes and Pigments, 2022, 198, 109948.	3.7	2
43	Porphyrin and Naphtalenediimide Functionalized Silica-gel Particles. Photophysical Properties. Chemistry Letters, 2002, 31, 604-605.	1.3	1
44	Stable Photoinduced Charge Separation in Nanostructured Films Containing a 1,4,5,8-Naphthalenetetracarboxylic Diimide and Cytochrome <I>c</I>. Journal of Nanoscience and Nanotechnology, 2006, 6, 2338-2343.	0.9	1
45	Photochemical Reduction of Cytochrome <i>c</i> by a 1,4,5,8â€Naphthalenediimide Radical Anion^{Â¶}. Photochemistry and Photobiology, 2004, 80, 518-524.	2.5	1
46	Radical Anions and Dianions of Naphthalenediimides Generated within Layer-by-Layer Zirconium Phosphonate Thin Films. Langmuir, 2022, 38, 2153-2161.	3.5	1
47	Zirconium phosphonate/1,4,5,8-naphthalenediimides self-assembled films. Anais Da Academia Brasileira De Ciencias, 2000, 72, 75-78.	0.8	0