

# Nito Angelo Debacher

## List of Publications by Year in descending order

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62  
papers

1,742  
citations

430442

18  
h-index

276539

41  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Modification and Hydrophobic Recovery (Aging) of Polyolefin Exposed to Plasma. <i>Engineering Materials</i> , 2022, , 197-214.	0.3	1
2	Intramolecular Amino-thiolysis Cyclization of Graphene Oxide Modified with Sulfur Dioxide: XPS and Solid-State NMR Studies. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1729-1741.	1.5	3
3	Influence of non-thermal plasma reactor geometry and plasma gas on the inactivation of <i>Escherichia coli</i> in water. <i>Chemosphere</i> , 2021, 277, 130255.	4.2	11
4	Photo-immobilization of proteins on carbons. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 202, 111675.	1.7	1
5	Degradation of indigo carmine in water induced by non-thermal plasma, ozone and hydrogen peroxide: A comparative study and by-product identification. <i>Chemosphere</i> , 2020, 244, 125502.	4.2	46
6	Reaction Mechanism of the Reduction of Ozone on Graphite. <i>Langmuir</i> , 2020, 36, 11225-11236.	1.6	3
7	Urea entrapment in cellulose acetate microparticles obtained by electrospraying. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	1
8	Mechanisms of Solid-Gas Reactions: Reduction of Air Pollutants on Carbons. <i>Topics in Catalysis</i> , 2020, 63, 817-832.	1.3	2
9	Oil extraction from spent coffee grounds assisted by non-thermal plasma. <i>Separation and Purification Technology</i> , 2020, 250, 117171.	3.9	16
10	Effect of chemical species generated by different geometries of air and argon non-thermal plasma reactors on bacteria inactivation in water. <i>Separation and Purification Technology</i> , 2019, 222, 68-74.	3.9	29
11	Effect of mass of pristine carbon nanotubes on the photolysis of phenylalanine. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3849.	0.9	1
12	Functionalization of polymer surfaces by medium frequency non-thermal plasma. <i>Applied Surface Science</i> , 2018, 428, 730-738.	3.1	13
13	Morphological study of polymer surfaces exposed to non-thermal plasma based on contact angle and the use of scaling laws. <i>Applied Surface Science</i> , 2017, 403, 57-61.	3.1	12
14	Adsorption of copper (II) onto cameroonian clay modified by non-thermal plasma: Characterization, chemical equilibrium and thermodynamic studies. <i>Applied Clay Science</i> , 2017, 142, 136-144.	2.6	16
15	Reactive Site Model of the Reduction of SO <sub>2</sub> on Graphite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14649-14657.	1.5	17
16	Interconversion and selective reactivity of sulfur dioxide reduction intermediates inserted on graphene oxide. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 773-780.	0.9	5
17	Removal of methylene blue by adsorption on aluminosilicate waste: equilibrium, kinetic and thermodynamic parameters. <i>Water Science and Technology</i> , 2016, 74, 2437-2445.	1.2	9
18	Photolysis of Phenylalanine in the Presence of Oxidized Carbon Nanotubes. <i>Langmuir</i> , 2015, 31, 164-170.	1.6	6

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19	Treatment of methyl orange by nitrogen non-thermal plasma in a corona reactor: The role of reactive nitrogen species. <i>Journal of Hazardous Materials</i> , 2015, 300, 754-764.	6.5	44
20	Non-Thermal Plasma Induced Total Mineralization of Glyphosate in Water in the Presence of Iron II Ions. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	0
21	Produção de Hidrogênio e Negro de Carbono a partir da Degradação de Metano por Plasma Térmico. <i>Seminário: Ciências Exatas E Tecnológicas</i> , 2014, 35, 103.	0.3	0
22	Reactivity of the intermediates of the reduction of SO <sub>2</sub> . Functionalization of graphite, graphite oxide and graphene oxide. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 344-351.	0.9	8
23	Adsorption characteristics of montmorillonite clay modified with iron oxide with respect to methylene blue in aqueous media. <i>Applied Clay Science</i> , 2014, 95, 25-31.	2.6	193
24	Selective Insertion of Sulfur Dioxide Reduction Intermediates on Graphene Oxide. <i>Langmuir</i> , 2014, 30, 4301-4309.	1.6	18
25	Polymer films with surfaces unmodified and modified by non-thermal plasma as new substrates for cell adhesion. <i>Materials Science and Engineering C</i> , 2013, 33, 1315-1324.	3.8	42
26	Plasma-Assisted Production of Carbon Black and Carbon Nanotubes from Methane by Thermal Plasma Reform. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
27	Pyrite-enhanced methylene blue degradation in non-thermal plasma water treatment reactor. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 55-62.	6.5	79
28	Effect of temperature on methylene blue decolorization in aqueous medium in electrical discharge plasma reactor. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 1669-1678.	0.6	49
29	Produção de gás de síntese por plasma térmico via pirólise de metano e dióxido de carbono. <i>Química Nova</i> , 2011, 34, 1491-1495.	0.3	3
30	Isotherm and thermodynamic data of adsorption of methylene blue from aqueous solution onto peat. <i>Journal of Molecular Structure</i> , 2010, 982, 62-65.	1.8	105
31	Mineral waste from coal mining for removal of astrazon red dye from aqueous solutions. <i>Desalination</i> , 2010, 264, 181-187.	4.0	25
32	The mechanisms of hydrolysis of <i>N-alkyl</i> <i>O</i> - <i>α</i> -erylthioncarbamate esters. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 915-924.	0.9	3
33	Estudo da eficiência de degradação de tetracloreto de carbono por plasma térmico e caracterização dos produtos formados. <i>Química Nova</i> , 2010, 33, 398-403.	0.3	0
34	Caracterização físico-química e microestrutural de conchas de moluscos bivalves provenientes de cultivos da região litorânea da ilha de Santa Catarina. <i>Química Nova</i> , 2010, 33, 1053-1058.	0.3	28
35	Adhesion of L929 mouse fibroblast cells on poly(styrene)/poly(methyl methacrylate) films. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1753-1757.	0.6	4
36	Removal of methylene blue from colored effluents by adsorption on montmorillonite clay. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 46-53.	5.0	586

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37	Process intensification during treatment of NOM-laden raw upland waters: Control and impact of the pre-coagulation regime during ultra-filtration. <i>Desalination and Water Treatment</i> , 2009, 8, 2-16.	1.0	5
38	Mechanisms of Acid Decomposition of Dithiocarbamates. 5. Piperidyl Dithiocarbamate and Analogues. <i>Journal of Organic Chemistry</i> , 2008, 73, 7189-7196.	1.7	6
39	Synthesis and characterization of poly(vinyl alcohol)-boric acid beads from PVA with several hydrolysis degrees. <i>E-Polymers</i> , 2007, 7, .	1.3	1
40	Determinação de ascarel em óleo isolante de transformadores. <i>Quimica Nova</i> , 2007, 30, 709-711.	0.3	1
41	Removal of methylene blue from aqueous solution by peat. <i>Journal of Hazardous Materials</i> , 2007, 144, 412-419.	6.5	100
42	Development of a DC-plasma torch constructed with graphite electrodes and an integrated nebulization system for decomposition of CCl <sub>4</sub> . <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 531-534.	0.6	9
43	The mechanisms of hydrolysis of alkyl N-alkylthiocarbamate esters at 100°C. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1483-1491.	0.6	9
44	Evidence from surface tension and fluorescence data of a pyrene-assisted micelle-like assemblage of humic substances. <i>Water Research</i> , 2005, 39, 3811-3818.	5.3	24
45	Use of Solid-Phase Microextraction to Monitor Gases Resulting from Thermal Plasma Pyrolysis. <i>Chromatographia</i> , 2004, 60, .	0.7	2
46	Adsorption of methylene blue as a model for the use of Barro Branco as an alternative adsorbent for color removal. , 2004, , 278-282.		2
47	Mechanisms of Acid Decomposition of Dithiocarbamates. 3. Aryldithiocarbamates and the Torsional Effect. <i>Journal of Organic Chemistry</i> , 2002, 67, 3662-3667.	1.7	22
48	Kinetics and mechanism of coal flotation. <i>Colloid and Polymer Science</i> , 2002, 280, 365-371.	1.0	12
49	Hydrolysis of N-aryl thioncarbamate esters. Modified Marcus equation for reactions with asymmetric intrinsic barriers. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 570-575.	0.9	6
50	Synthesis and coordinating ability of chitosan dithiocarbamate and analogs towards Cu(II) ions. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 852-857.	0.9	19
51	Tensoatividade de ácidos hámicos de procedências distintas. <i>Quimica Nova</i> , 2002, 25, 909-913.	0.3	8
52	Adsorção de xantatos sobre pirita. <i>Quimica Nova</i> , 2001, 24, 612-615.	0.3	2
53	Effect of bubble size on the kinetics of flotation of pyrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 149, 595-601.	2.3	2
54	Drainage behaviour of aqueous liquid films on mica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 146, 175-183.	2.3	0

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55	Mechanisms of Acid Decomposition of Dithiocarbamates. 2. Efficiency of the Intramolecular General Acid Catalysis. <i>Journal of Organic Chemistry</i> , 1999, 64, 1807-1813.	1.7	33
56	Mechanisms of Acid Decomposition of Dithiocarbamates. 1. Alkyl Dithiocarbamates. <i>Journal of Organic Chemistry</i> , 1998, 63, 1598-1603.	1.7	67
57	Modified Hallimond Tube for Flotation Kinetics Measurements. <i>Separation Science and Technology</i> , 1993, 28, 1501-1507.	1.3	3
58	An electrokinetic examination of mica surfaces in aqueous media. <i>Colloids and Surfaces</i> , 1992, 65, 51-59.	0.9	20
59	Mechanistic Approach to the Flotation of Pure Pyrite. <i>Journal of the Brazilian Chemical Society</i> , 1992, 3, 1-7.	0.6	1
60	Kinetics of contact angle formation at the gas-liquid-solid interphase. <i>Colloids and Surfaces</i> , 1991, 52, 149-161.	0.9	6
61	Temporal Evolution of Roughness Development on Polymer Surfaces Exposed to Non-Thermal Plasma. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
62	O PLASMA E SUAS CARACTERÍSTICAS. , 0, , 306-318.		0