Nicolas Desbois

List of Publications by Year
in descending order

73	1,059	393982	525886
papers	citations	19 h-index	27 g-index

79	79	79	1514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Slow and Fast Singlet Energy Transfers in BODIPY-gallium(III)corrole Dyads Linked by Flexible Chains. Inorganic Chemistry, 2014, 53, 3392-3403.	1.9	67
2	Porphyrins and BODIPY as Building Blocks for Efficient Donor Materials in Bulk Heterojunction Solar Cells. Solar Rrl, 2017, 1, 1700127.	3.1	62
3	BODIPYâ€“diketopyrrolopyrroleâ€“porphyrin conjugate small molecules for use in bulk heterojunction solar cells. Journal of Materials Chemistry A, 2018, 6, 8449-8461.	5.2	45
4	Identifying G-Quadruplex-DNA-Disrupting Small Molecules. Journal of the American Chemical Society, 2021, 143, 12567-12577.	6.6	44
5	Design, synthesis and preliminary biological evaluation of acridine compounds as potential agents for a combined targeted chemo-radionuclide therapy approach to melanoma. Bioorganic and Medicinal Chemistry, 2008, 16, 7671-7690.	1.4	36
6	Cobalt Corroles with Bisâ€Ammonia or Monoâ€DMSO Axial Ligands. Electrochemical, Spectroscopic Characterizations and Ligand Binding Properties. European Journal of Inorganic Chemistry, 2018, 2018, 4265-4277.	1.0	30
7	Multimodal Theranostic Cyanine-Conjugated Gadolinium(III) Complex for In Vivo Imaging of Amyloid-Î² in an Alzheimerâ€™s Disease Mouse Model. ACS Applied Materials & Interfaces, 2021, 13, 18525-18532.	4.0	30
8	Design of Porphyrinâ€dotaâ€Like Scaffolds as Allâ€inâ€One Multimodal Heterometallic Complexes for Medical Imaging. European Journal of Organic Chemistry, 2013, 2013, 6629-6643.	1.2	28
9	Porphyrin Antenna-Enriched BODIPYâ€“Thiophene Copolymer for Efficient Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 992-1004.	4.0	28
10	Design and preparation of aza-analogues of benzo[c]phenanthridine framework with cytotoxic and antiplasmodial activities. European Journal of Medicinal Chemistry, 2010, 45, 2854-2859.	2.6	26
11	Synthesis and the Effect of Anions on the Spectroscopy and Electrochemistry of Mono(dimethyl) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	26
12	Synthesis, Electrochemistry, and Photophysics of Azaâ€BODIPY Porphyrin Dyes. Chemistry - A European Journal, 2016, 22, 4971-4979.	1.7	25
13	Electrochemistry of Bis(pyridine)cobalt (Nitrophenyl)corroles in Nonaqueous Media. Inorganic Chemistry, 2018, 57, 1226-1241.	1.9	25
14	Old Dog, New Tricks: Innocent, Five-coordinate Cyanocobalt Corroles. Inorganic Chemistry, 2020, 59, 8562-8579.	1.9	25
15	Nonfullerene Polymer Solar Cells Reaching a 9.29% Efficiency Using a BODIPY-Thiophene Backboned Donor Material. ACS Applied Energy Materials, 2018, 1, 3359-3368.	2.5	22
16	Synthesis, spectroscopic characterization, one and two-photon absorption properties, and electrochemistry of truxene Ï€-expanded BODIPYs dyes. Dyes and Pigments, 2020, 176, 108183.	2.0	21
17	Porous organic polymers based on cobalt corroles for carbon monoxide binding. Dalton Transactions, 2019, 48, 11651-11662.	1.6	20
18	Evaluation of new iodinated acridine derivatives for targeted radionuclide therapy of melanoma using 125I, an Auger electron emitter. Investigational New Drugs, 2011, 29, 1253-1263.	1.2	19

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19	Porphyrinâ€Based Design of Bioinspired Multitarget Quadruplex Ligands. ChemMedChem, 2014, 9, 2035-2039.	1.6	19
20	A Very Low Band Gap Diketopyrrolopyrroleâ€“Porphyrin Conjugated Polymer. ChemPlusChem, 2017, 82, 625-630.	1.3	19
21	Ligand Noninnocence in Cobalt Dipyrrinâ€“Bisphenols: Spectroscopic, Electrochemical, and Theoretical Insights Indicating an Emerging Analogy with Corroles. Inorganic Chemistry, 2019, 58, 7677-7689.	1.9	19
22	Design, synthesis, and biological activities of conformationally restricted analogs of primaquine with a 1,10-phenanthroline framework. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4666-4669.	1.0	18
23	cis-Dichloroplatinum(II) complexes tethered to dibenzo[c,h][1,6]naphthyridin-6-ones: Synthesis and cytotoxicity in human cancer cell lines inÂvitro. European Journal of Medicinal Chemistry, 2013, 69, 719-727.	2.6	18
24	Influence of interfering gases on a carbon monoxide differential sensor based on SAW devices functionalized with cobalt and copper corroles. Sensors and Actuators B: Chemical, 2021, 332, 129507.	4.0	18
25	Tetracationic and Tetraanionic Manganese Porphyrins: Electrochemical and Spectroelectrochemical Characterization. Inorganic Chemistry, 2017, 56, 8045-8057.	1.9	17
26	Synthesis, spectroscopic characterization, one and two-photon absorption properties and electrochemistry of -expanded BODIPYs dyes. Dyes and Pigments, 2020, 175, 108173.	2.0	17
27	Synthesis of Polyfused Heterocycle Derivatives Containing the Dipyridoimidazole Core by FriedlÃnderâ€™s Reaction: Access to Analogs of Ellipticine. Heterocycles, 2005, 65, 1121.	0.4	16
28	Near-infrared emissive bacteriochlorin-diketopyrrolopyrrole triads: Synthesis and photophysical properties. Dyes and Pigments, 2019, 160, 747-756.	2.0	15
29	Twoâ€Photon Absorption Properties and Structures of BODIPY and Its Dyad, Triad and Tetrad. ChemPlusChem, 2018, 83, 838-844.	1.3	14
30	Synthesis of carbamoylpyridine and imidazo[1,5-a]pyridin-1,3-diones via ortho-acetalhydantoin intermediates. Tetrahedron Letters, 2004, 45, 553-556.	0.7	13
31	Surface-promoted aggregation of amphiphilic quadruplex ligands drives their selectivity for alternative DNA structures. Organic and Biomolecular Chemistry, 2015, 13, 7034-7039.	1.5	13
32	Synthesis and Antiviral Activity Evaluation of Nitroporphyrins and Nitrocorroles as Potential Agents against Human Cytomegalovirus Infection. ACS Infectious Diseases, 2015, 1, 350-356.	1.8	13
33	Photovoltaic Properties of a Porphyrinâ€Containing Polymer as Donor in Bulk Heterojunction Solar Cells With Low Energy Loss. Solar Rrl, 2018, 2, 1700168.	3.1	13
34	Evaluation of two 125I-radiolabeled acridine derivatives for Auger-electron radionuclide therapy of melanoma. Investigational New Drugs, 2014, 32, 587-597.	1.2	12
35	Easy access to heterobimetallic complexes for medical imaging applications via microwave-enhanced cycloaddition. Beilstein Journal of Organic Chemistry, 2015, 11, 2202-2208.	1.3	12
36	Gold dipyrrin-bisphenolates: a combined experimental and DFT study of metalâ€“ligand interactions. RSC Advances, 2020, 10, 533-540.	1.7	12

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37	Synthetic strategy for preparation of a folate corrole DOTA heterobimetallic Cuâ€“Gd complex as a potential bimodal contrast agent in medical imaging. Tetrahedron Letters, 2015, 56, 7128-7131.	0.7	11
38	Electrochemical and Spectroelectrochemical Properties of Freeâ€Base Pyridylâ€•and Nâ€Alkylâ€4â€Pyridylporphyrins in Nonaqueous Media. ChemElectroChem, 2016, 3, 110-121.	1.7	11
39	Synthesis, Characterization, and Electrochemistry of Openâ€Chain Pentapyrroles and Sapphyrins with Highly Electronâ€Withdrawing mesoâ€Tetraaryl Substituents. Chemistry - A European Journal, 2017, 23, 12833-12844.	1.7	11
40	Porous materials applied to biomarker sensing in exhaled breath for monitoring and detecting non-invasive pathologies. Dalton Transactions, 2020, 49, 15161-15170.	1.6	11
41	Redox properties of nitrophenylporphyrins and electrosynthesis of nitrophenyl-linked Zn porphyrin dimers or arrays. Journal of Porphyrins and Phthalocyanines, 2014, 18, 832-841.	0.4	10
42	Tuning the Electrochemistry of Freeâ€Base Porphyrins in Acidic Nonaqueous Media: Influence of Solvent, Supporting Electrolyte, and Ring Substituents. ChemElectroChem, 2016, 3, 228-241.	1.7	10
43	DNA structure-specific sensitization of a metalloporphyrin leads to an efficient in vitro quadruplex detection molecular tool. New Journal of Chemistry, 2016, 40, 5683-5689.	1.4	10
44	Random Structural Modification of a Low-Band-Gap BODIPY-Based Polymer. Journal of Physical Chemistry C, 2017, 121, 6478-6491.	1.5	10
45	Synthesis and characterization of zinc carboxyâ€“porphyrin complexes for dye sensitized solar cells. New Journal of Chemistry, 2018, 42, 8151-8159.	1.4	10
46	Recent developments in dipyrrin based metal complexes: Self-assembled nanoarchitectures and materials applications. Journal of Porphyrins and Phthalocyanines, 2020, 24, 646-661.	0.4	10
47	Simple and convenient conversion of acridones into 9-unsubstituted acridines via acridanes using borane tetrahydrofuran complex. Tetrahedron Letters, 2009, 50, 6894-6896.	0.7	8
48	The first example of cofacial bis(dipyrrins). New Journal of Chemistry, 2016, 40, 5835-5845.	1.4	8
49	A₃- and A₂B-fluorocorroles: synthesis, X-ray characterization and antiviral activity evaluation against human cytomegalovirus infection. RSC Medicinal Chemistry, 2020, 11, 783-801.	1.7	8
50	A₃- and A₂B-nitrocorroles: synthesis and antiviral activity evaluation against human cytomegalovirus infection. RSC Medicinal Chemistry, 2020, 11, 771-782.	1.7	8
51	Cyclotriveratrylene-Containing Porphyrins. Inorganic Chemistry, 2016, 55, 9230-9239.	1.9	7
52	Synthesis, cytotoxicity and structure-activity relationships between ester and amide functionalities in novel acridine-based platinum(II) complexes. Journal of Inorganic Biochemistry, 2012, 110, 51-57.	1.5	6
53	Convenient Synthesis of Heterocyclic Compounds with Dihydropyrano[3,4-b]pyridine Scaffold. Synthetic Communications, 2013, 43, 1092-1100.	1.1	5
54	Surface Acoustic Wave Sensors for the Detection of Hazardous Compounds in Indoor Air. Proceedings (mdpi), 2017, 1, 444.	0.2	5

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55	A bacteriochlorin-diketopyrrolopyrrole triad as a donor for solution-processed bulk heterojunction organic solar cells. Journal of Materials Chemistry C, 2019, 7, 9655-9664.	2.7	5
56	Solvent and Anion Effects on the Electrochemistry of Manganese Dipyrrin-Bisphenols. Inorganic Chemistry, 2020, 59, 15913-15927.	1.9	5
57	Antipoxvirus Activity Evaluation of Optimized Corroles Based on Development of Autofluorescent ANCHOR Myxoma Virus. ACS Infectious Diseases, 2021, 7, 2370-2382.	1.8	5
58	Hereâ€™s looking at the reduction of noninnocent copper corroles via anion induced electron transfer. Comptes Rendus Chimie, 2021, 24, 71-82.	0.2	5
59	An efficient route to a 5,6-dihydropyrano[3,4-b]pyridin-8-one core in two steps from enaminolactones. Tetrahedron Letters, 2008, 49, 1301-1304.	0.7	4
60	Protonation and Electrochemical Properties of Pyridylâ€•and Sulfonatophenylâ€Substituted Porphyrins in Nonaqueous Media. ChemElectroChem, 2017, 4, 1872-1884.	1.7	4
61	Polymer solar cell based on ternary active layer consists of medium bandgap polymer and two non-fullerene acceptors. Solar Energy, 2020, 207, 1427-1433.	2.9	4
62	Synthesis and Characterization of Carbazoleâ€Linked Porphyrin Tweezers. Chemistry - A European Journal, 2015, 21, 12018-12025.	1.7	3
63	Non-linear optical, electrochemical and spectroelectrochemical properties of amphiphilic inner salt porphyrinic systems. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1002-1015.	0.4	2
64	Synthesis of flexible nanotweezers with various metals and their application in carbon nanotube extraction. New Journal of Chemistry, 2018, 42, 7592-7594.	1.4	2
65	Synthesis, electrochemistry, protonation and X-ray analysis of meso-aryl substituted open-chain pentapyrroles. Journal of Porphyrins and Phthalocyanines, 2019, 23, 213-222.	0.4	1
66	SAW-Based Differential Sensor Exploiting Metallocorroles Properties for Selective CO Measurement. ECS Meeting Abstracts, 2022, MA2022-01, 2449-2449.	0.0	1
67	Synthesis of Carbamoylpyridine and Imidazo[1,5-a]pyridin-1,3-diones via ortho-Acetalhydantoin Intermediates.. ChemInform, 2004, 35, no.	0.1	0
68	9: Ã‰valuation prÃ©clinique de vecteurs dÃ©rivÃ©s acridiniques pour la radiothÃ©rapie interne du mÃ©lanome par un Ã©metteur dâ€™Ã©lectron Auger: lâ€™iode 125. Bulletin Du Cancer, 2010, 97, S11-S12.	0.6	0
69	Electrochemistry of Innocent Cyanocobalt Corroles. ECS Meeting Abstracts, 2021, MA2021-01, 739-739.	0.0	0
70	Corroles As Precursors of Porous Organic Polymers (POPs) and Molecularly Imprinted Polymers (MIPs) - Application to the Detection of CO and the Decontamination of Chemical Nerve Agents. ECS Meeting Abstracts, 2022, MA2022-01, 940-940.	0.0	0
71	Electrochemistry of Innocent and Noninnocent Metallocorroles. ECS Meeting Abstracts, 2022, MA2022-01, 965-965.	0.0	0
72	Bulk Heterojunction Solar Cells: Porphyrins, Dpps and Bodipys As Building Blocks for Efficient Donor Materials. ECS Meeting Abstracts, 2022, MA2022-01, 2484-2484.	0.0	0

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73	Conversion of Meso-Aryl Substituted Open-Chain Pentapyrroles to Sapphyrins: Synthesis and Electrochemistry. ECS Meeting Abstracts, 2022, MA2022-01, 2513-2513.	0.0	0