

Jorge Escorihuela

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/840287/publications.pdf>

Version: 2024-02-01

72
papers

2,050
citations

201385

27
h-index

253896

43
g-index

81
all docs

81
docs citations

81
times ranked

2355
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution of Relaxation Times: Debye Length Distribution vs Electrode Polarization by a ColeâCole Relaxation Model. <i>Journal of the Electrochemical Society</i> , 2022, 169, 013506.	1.3	6
2	Intramolecular rhodium-catalysed [2 + 2 + 2] cycloaddition of linear chiral <i>N</i> -bridged triynes: straightforward access to fused tetrahydroisoquinoline core. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2433-2445.	1.5	2
3	Asymmetric Michael Addition in Synthesis of \hat{I}^2 -Substituted GABA Derivatives. <i>Molecules</i> , 2022, 27, 3797.	1.7	15
4	Diffusivity and free anion concentration of ionic liquid composite polybenzimidazole membranes. <i>RSC Advances</i> , 2021, 11, 26379-26390.	1.7	1
5	Diastereoselectivity of the Addition of Propargylic Magnesium Reagents to Fluorinated Aromatic Sulfinyl Imines. <i>Organic Letters</i> , 2021, 23, 3691-3695.	2.4	4
6	Structural and Electrochemical Analysis of CIGS: Cr Crystalline Nanopowders and Thin Films Deposited onto ITO Substrates. <i>Nanomaterials</i> , 2021, 11, 1093.	1.9	5
7	Proton Exchange Membrane Fuel Cells (PEMFCs): Advances and Challenges. <i>Polymers</i> , 2021, 13, 3064.	2.0	90
8	Unveiling anion-induced folding in tripodal imidazolium receptors by ion-mobility mass spectrometry. <i>Chemical Communications</i> , 2021, 57, 8616-8619.	2.2	2
9	Asymmetric Methods for CarbonâFluorine Bond Formation. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5946-5974.	1.2	14
10	On the Stability and Formation of Pillar[<i>n</i>]arenes: a DFT Study. <i>Journal of Organic Chemistry</i> , 2021, 86, 14956-14963.	1.7	10
11	Recent Advances on the Halo- and Cyano-Trifluoromethylation of Alkenes and Alkynes. <i>Molecules</i> , 2021, 26, 7221.	1.7	13
12	PausonâKhand reaction of fluorinated compounds. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1662-1682.	1.3	13
13	Effect of metallocarborane salt H[COSANE] doping on the performance properties of polybenzimidazole membranes for high temperature PEMFCs. <i>Soft Matter</i> , 2020, 16, 7624-7635.	1.2	9
14	Cycloaddition of Strained Cyclic Alkenes and <i>Ortho</i> -Quinones: A Distortion/Interaction Analysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 13557-13566.	1.7	8
15	Acylsemicarbazide Moieties with Dynamic Reversibility and Multiple Hydrogen Bonding for Transparent, High Modulus, and Malleable Polymers. <i>Macromolecules</i> , 2020, 53, 7914-7924.	2.2	62
16	Recent Progress in the Development of Composite Membranes Based on Polybenzimidazole for High Temperature Proton Exchange Membrane (PEM) Fuel Cell Applications. <i>Polymers</i> , 2020, 12, 1861.	2.0	84
17	The RutheniumâCatalyzed Domino Cross Enyne Metathesis/RingâClosing Metathesis in the Synthesis of Enantioenriched NitrogenâContaining Heterocycles. <i>European Journal of Organic Chemistry</i> , 2020, 4193-4207.	1.2	9
18	A Deep Insight into Different Acidic Additives as Doping Agents for Enhancing Proton Conductivity on Polybenzimidazole Membranes. <i>Polymers</i> , 2020, 12, 1374.	2.0	22

#	ARTICLE	IF	CITATIONS
19	Influence of the anion on diffusivity and mobility of ionic liquids composite polybenzimidazol membranes. <i>Electrochimica Acta</i> , 2020, 354, 136666.	2.6	20
20	Asymmetric Synthesis of Fluorinated Monoterpenic Alkaloid Derivatives from Chiral Fluoroalkyl Aldimines via the Pauson-Khand Reaction. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1378-1384.	2.1	9
21	Proton Conductivity of Composite Polyelectrolyte Membranes with Metal-Organic Frameworks for Fuel Cell Applications. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801146.	1.9	130
22	Proton Conductivity through Polybenzimidazole Composite Membranes Containing Silica Nanofiber Mats. <i>Polymers</i> , 2019, 11, 1182.	2.0	24
23	Dynamic covalent urea bonds and their potential for development of self-healing polymer materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15933-15943.	5.2	101
24	Ionic Liquid Composite Polybenzimidazol Membranes for High Temperature PEMFC Applications. <i>Polymers</i> , 2019, 11, 732.	2.0	42
25	Supramolecularly assisted synthesis of chiral tripodal imidazolium compounds. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1214-1225.	2.3	9
26	New structural insights into the role of TROVE2 complexes in the on-set and pathogenesis of systemic lupus erythematosus determined by a combination of QCM-D and DPI. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4709-4720.	1.9	3
27	Strain-Promoted Cycloaddition of Cyclopropenes with <i>o</i> -Quinones: A Rapid Click Reaction. <i>Angewandte Chemie</i> , 2018, 130, 10275-10279.	1.6	9
28	Kinetics of the Strain-Promoted Oxidation-Controlled Cycloalkyne-1,2-quinone Cycloaddition: Experimental and Theoretical Studies. <i>Journal of Organic Chemistry</i> , 2018, 83, 244-252.	1.7	24
29	Strain-Promoted Cycloaddition of Cyclopropenes with <i>o</i> -Quinones: A Rapid Click Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10118-10122.	7.2	31
30	Structural and dielectric properties of cobaltacarborane composite polybenzimidazole membranes as solid polymer electrolytes at high temperature. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10173-10184.	1.3	25
31	Enhanced Conductivity of Composite Membranes Based on Sulfonated Poly(Ether Ether Ketone) (SPEEK) with Zeolitic Imidazolate Frameworks (ZIFs). <i>Nanomaterials</i> , 2018, 8, 1042.	1.9	35
32	Phosphoric Acid Doped Polybenzimidazole (PBI)/Zeolitic Imidazolate Framework Composite Membranes with Significantly Enhanced Proton Conductivity under Low Humidity Conditions. <i>Nanomaterials</i> , 2018, 8, 775.	1.9	92
33	Innentitelbild: Strain-Promoted Cycloaddition of Cyclopropenes with <i>o</i> -Quinones: A Rapid Click Reaction (<i>Angew. Chem.</i> 32/2018). <i>Angewandte Chemie</i> , 2018, 130, 10136-10136.	1.6	0
34	Experimental Study of the Oriented Immobilization of Antibodies on Photonic Sensing Structures by Using Protein A as an Intermediate Layer. <i>Sensors</i> , 2018, 18, 1012.	2.1	12
35	Rapid and Complete Surface Modification with Strain-Promoted Oxidation-Controlled Cyclooctyne-1,2-Quinone Cycloaddition (SPOCQ). <i>Angewandte Chemie</i> , 2017, 129, 3347-3351.	1.6	7
36	Organic Monolayers by B(C ₆ F ₅) ₃ -Catalyzed Siloxanation of Oxidized Silicon Surfaces. <i>Langmuir</i> , 2017, 33, 2185-2193.	1.6	23

#	ARTICLE	IF	CITATIONS
37	Rapid and Complete Surface Modification with Strain-Promoted Oxidation-Controlled Cyclooctyne-1,2-Quinone Cycloaddition (SPOCQ). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3299-3303.	7.2	29
38	Rapid Surface Functionalization of Hydrogen-Terminated Silicon by Alkyl Silanols. <i>Journal of the American Chemical Society</i> , 2017, 139, 5870-5876.	6.6	33
39	Improved Performance of DNA Microarray Multiplex Hybridization Using Probes Anchored at Several Points by Thiol-Ene or Thiol-Yne Coupling Chemistry. <i>Bioconjugate Chemistry</i> , 2017, 28, 496-506.	1.8	20
40	Approach Matters: The Kinetics of Interfacial Inverse-Electron Demand Diels-Alder Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 13015-13022.	1.7	11
41	Proton conducting electrospun sulfonated polyether ether ketone graphene oxide composite membranes. <i>RSC Advances</i> , 2017, 7, 53481-53491.	1.7	38
42	Use of Ambient Ionization High-Resolution Mass Spectrometry for the Kinetic Analysis of Organic Surface Reactions. <i>Langmuir</i> , 2016, 32, 3412-3419.	1.6	18
43	Characterization of the laccase-mediated oligomerization of 4-hydroxybenzoic acid. <i>RSC Advances</i> , 2016, 6, 99367-99375.	1.7	12
44	Mechanistic implications of the enantioselective addition of alkylzinc reagents to aldehydes catalyzed by nickel complexes with β -amino amide ligands. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11125-11136.	1.5	7
45	Click Chemistry: Metal-Free Click Chemistry Reactions on Surfaces (<i>Adv. Mater. Interfaces</i> 13/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, .	1.9	2
46	Metal-Free Click Chemistry Reactions on Surfaces. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500135.	1.9	106
47	Dual stereocontrolled alkylation of aldehydes with polystyrene-supported nickel complexes derived from β -amino amides. <i>RSC Advances</i> , 2015, 5, 14653-14662.	1.7	5
48	Bis(imidazolium) salts derived from amino acids as receptors and transport agents for chloride anions. <i>RSC Advances</i> , 2015, 5, 34415-34423.	1.7	28
49	Application of optically active chiral bis(imidazolium) salts as potential receptors of chiral dicarboxylate salts of biological relevance. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5450-5459.	1.5	24
50	Dual-Polarization Interferometry: A Novel Technique To Light up the Nanomolecular World. <i>Chemical Reviews</i> , 2015, 115, 265-294.	23.0	68
51	Site-specific immobilization of DNA on silicon surfaces by using the thiol-yne reaction. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8510-8517.	2.9	30
52	Direct and label-free monitoring oligonucleotide immobilization, non-specific binding and DNA biorecognition. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 221-228.	4.0	10
53	Direct Covalent Attachment of DNA Microarrays by Rapid Thiol-Ene α -Click-Chemistry. <i>Bioconjugate Chemistry</i> , 2014, 25, 618-627.	1.8	41
54	Chiral Room Temperature Ionic Liquids as Enantioselective Promoters for the Asymmetric Aldol Reaction. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5356-5363.	1.2	31

#	ARTICLE	IF	CITATIONS
55	C2 symmetrical nickel complexes derived from $\hat{\pm}$ -amino amides as efficient catalysts for the enantioselective addition of dialkylzinc reagents to aldehydes. <i>Tetrahedron</i> , 2013, 69, 551-558.	1.0	18
56	New advances in dual stereocontrol for asymmetric reactions. <i>Chemical Society Reviews</i> , 2013, 42, 5595.	18.7	104
57	Polymer-supported chiral $\hat{\pm}$ -amino amides for the asymmetric addition of diethylzinc to aldehydes: Transforming an inactive homogeneous system into an efficient catalyst. <i>Applied Catalysis A: General</i> , 2013, 462-463, 23-30.	2.2	17
58	Real-time observation of antigen-antibody association using a low-cost biosensing system based on photonic bandgap structures. <i>Optics Letters</i> , 2012, 37, 3684.	1.7	3
59	DNA microarrays on silicon surfaces through thiol-ene chemistry. <i>Chemical Communications</i> , 2012, 48, 2116.	2.2	42
60	Development of Oligonucleotide Microarrays onto Si-Based Surfaces via Thioether Linkage Mediated by UV Irradiation. <i>Bioconjugate Chemistry</i> , 2012, 23, 2121-2128.	1.8	21
61	Copper(ii) complexes of bis(amino amide) ligands: effect of changes in the amino acid residue. <i>Dalton Transactions</i> , 2012, 41, 6764.	1.6	36
62	Chemical silicon surface modification and bioreceptor attachment to develop competitive integrated photonic biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2831-2840.	1.9	23
63	Chiral bis(amino amides) as chiral solvating agents for enantiomeric excess determination of $\hat{\pm}$ -hydroxy and arylpropionic acids. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 982-989.	1.8	36
64	Coordination of Cu ²⁺ Ions to C ₂ Symmetric Pseudopeptides Derived from Valine. <i>Inorganic Chemistry</i> , 2010, 49, 7841-7852.	1.9	32
65	A simple peptidomimetic that self-associates on the solid state to form a nanoporous architecture containing chiral $\hat{\pm}$ -channels. <i>CrystEngComm</i> , 2010, 12, 1722.	1.3	15
66	Synthesis of new chiral imidazolium salts derived from amino acids: their evaluation in chiral molecular recognition. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 999-1003.	1.8	39
67	New chiral tetraaza ligands for the efficient enantioselective addition of dialkylzinc to aromatic aldehydes. <i>Tetrahedron</i> , 2008, 64, 9717-9724.	1.0	34
68	Enantioselective nickel-catalyzed conjugate addition of dialkylzinc to chalcones using chiral $\hat{\pm}$ -amino amides. <i>Tetrahedron Letters</i> , 2008, 49, 6885-6888.	0.7	23
69	Efficient Chirality Switching in the Addition of Diethylzinc to Aldehydes in the Presence of Simple Chiral $\hat{\pm}$ -Amino Amides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9002-9005.	7.2	54
70	Nickel Complexes from $\hat{\pm}$ -Amino Amides as Efficient Catalysts for the Enantioselective Et ₂ Zn Addition to Benzaldehyde.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
71	Nickel complexes from $\hat{\pm}$ -amino amides as efficient catalysts for the enantioselective Et ₂ Zn addition to benzaldehyde. <i>Tetrahedron Letters</i> , 2003, 44, 6891-6894.	0.7	53
72	Preparation and Optimization of Polymer-Supported and Amino Alcohol Based Enantioselective Reagents and Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5977-5982.	1.8	12