

Christian Schrder

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3600382/christian-schroder-publications-by-year.pdf>
Version: 2024-04-11

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100 papers	3,282 citations	30 h-index	55 g-index
111 ext. papers	3,858 ext. citations	5.7 avg, IF	5.86 L-index

#	Paper	IF	Citations
100	Benign recovery of platinum group metals from spent automotive catalysts using choline-based deep eutectic solvents. <i>Green Chemistry Letters and Reviews</i> , 2022 , 15, 404-414	4.7	2
99	The influence of the cation structure on the basicity-related polarity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 26750-26760	3.6	1
98	A Combined Deep Eutectic Solvent-Ionic Liquid Process for the Extraction and Separation of Platinum Group Metals (Pt, Pd, Rh). <i>Molecules</i> , 2021 , 26,	4.8	2
97	Charge delocalization and hyperpolarizability in ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 118153	6	0
96	Surface-active ionic liquids: A review. <i>Journal of Molecular Liquids</i> , 2021 , 347, 118160	6	7
95	Combined ionic liquid and supercritical carbon dioxide based dynamic extraction of six cannabinoids from L.. <i>Green Chemistry</i> , 2021 , 23, 10079-10089	10	1
94	Chiral Phosphoric Acids as Versatile Tools for Organocatalytic Asymmetric Transfer Hydrogenations. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 5367-5381	3.2	2
93	Toward the Recovery of Platinum Group Metals from a Spent Automotive Catalyst with Supported Ionic Liquid Phases. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 375-386	8.3	11
92	Purification of anthocyanins from grape pomace by centrifugal partition chromatography. <i>Journal of Molecular Liquids</i> , 2021 , 326, 115324	6	10
91	Non-additive electronic polarizabilities of ionic liquids: Charge delocalization effects. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117099	6	2
90	Chemical composition and antioxidant potential of Cannabis sativa L. roots. <i>Industrial Crops and Products</i> , 2021 , 165, 113422	5.9	10
89	Dynamic streamlined extraction of iridoids, anthocyanins and lipids from haskap berries. <i>LWT - Food Science and Technology</i> , 2021 , 138, 110633	5.4	5
88	Counterion-Enhanced Pd/Enamine Catalysis: Direct Asymmetric Allylation of Aldehydes with Allylic Alcohols by Chiral Amines and Achiral or Racemic Phosphoric Acids. <i>Journal of Organic Chemistry</i> , 2021 , 86, 850-860	4.2	4
87	The physical significance of the Kamlet-Taft * parameter of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 1616-1626	3.6	7
86	Carbamate-based P,O-ligands for asymmetric allylic alkylations. <i>Tetrahedron</i> , 2020 , 76, 131246	2.4	2
85	Counterion Enhanced Organocatalysis: A Novel Approach for the Asymmetric Transfer Hydrogenation of Enones. <i>ChemCatChem</i> , 2020 , 12, 3776-3782	5.2	5
84	Ionic liquid based microemulsions: A review. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112264	6	71

83	Enantiomerization of Axially Chiral Biphenyls: Polarizable MD Simulations in Water and Butylmethylether. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
82	Simple lysis of bacterial cells for DNA-based diagnostics using hydrophilic ionic liquids. <i>Scientific Reports</i> , 2019 , 9, 13994	4.9	16
81	Highly Effective Supported Ionic Liquid-Phase (SILP) Catalysts: Characterization and Application to the Hydrosilylation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4699-4706	8.3	23
80	Molecular Dynamics Simulations of Ionic Liquids and Electrolytes Using Polarizable Force Fields. <i>Chemical Reviews</i> , 2019 , 119, 7940-7995	68.1	206
79	Surface-Active Ionic Liquids in Catalytic Water Splitting. <i>Australian Journal of Chemistry</i> , 2019 , 72, 34	1.2	7
78	Influence of the Ionic Liquid on the Activity of a Supported Ionic Liquid Phase Fe Pincer Catalyst for the Hydrogenation of Aldehydes. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 3503-3510	2.3	3
77	Asymmetric Transfer Hydrogenation in Thermomorphic Microemulsions Based on Ionic Liquids. <i>Organic Process Research and Development</i> , 2019 , 23, 1841-1851	3.9	6
76	Ion-Tagged Chiral Ligands for Asymmetric Transfer Hydrogenations in Aqueous Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3414-3423	8.3	10
75	FI-ICP-OES determination of Pb in drinking water after pre-concentration using magnetic nanoparticles coated with ionic liquid. <i>Microchemical Journal</i> , 2019 , 146, 339-344	4.8	16
74	Evaluating excited state atomic polarizabilities of chromophores. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8554-8563	3.6	17
73	Valorization of olive tree leaves: Extraction of oleanolic acid using aqueous solutions of surface-active ionic liquids. <i>Separation and Purification Technology</i> , 2018 , 204, 30-37	8.3	23
72	Quantum mechanical determination of atomic polarizabilities of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 10992-10996	3.6	30
71	Electrochemical properties of halogenated benzylidenehydrazino-pyrazoles in various imidazolium-based ionic liquids. <i>Monatshefte Für Chemie</i> , 2018 , 149, 823-831	1.4	
70	Chemoselective Supported Ionic-Liquid-Phase (SILP) Aldehyde Hydrogenation Catalyzed by an Fe(II) PNP Pincer Complex. <i>ACS Catalysis</i> , 2018 , 8, 1048-1051	13.1	44
69	Computational solvation analysis of biomolecules in aqueous ionic liquid mixtures : From large flexible proteins to small rigid drugs. <i>Biophysical Reviews</i> , 2018 , 10, 825-840	3.7	10
68	Additive polarizabilities of halides in ionic liquids and organic solvents. <i>Journal of Chemical Physics</i> , 2018 , 149, 044302	3.9	11
67	Selective Hydrogenation of Aldehydes Using a Well-Defined Fe(II) PNP Pincer Complex in Biphasic Medium. <i>ChemCatChem</i> , 2018 , 10, 4386-4394	5.2	7
66	Ionic Liquids as Fragrance Precursors: Smart Delivery Systems for Volatile Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 16069-16076	3.9	10

65	Carbon-based SILP catalysis for the selective hydrogenation of aldehydes using a well-defined Fe(II) PNP complex. <i>Catalysis Science and Technology</i> , 2018 , 8, 4812-4820	5.5	9
64	Continuous Conversion of Carbon Dioxide to Propylene Carbonate with Supported Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13131-13139	8.3	27
63	Molecular dynamics simulation of aqueous 1-dodecyl-3-methylimidazolium chloride: Emerging micelles. <i>Journal of Molecular Liquids</i> , 2018 , 272, 766-777	6	7
62	A shell-resolved analysis of preferential solvation of coffee ingredients in aqueous mixtures of the ionic liquid 1-ethyl-3-methylimidazolium acetate. <i>Journal of Chemical Physics</i> , 2018 , 148, 193819	3.9	13
61	From waste to value – Direct utilization of limonene from orange peel in a biocatalytic cascade reaction towards chiral carvolactone. <i>Green Chemistry</i> , 2017 , 19, 367-371	10	51
60	Computational analysis of the solvation of coffee ingredients in aqueous ionic liquid mixtures. <i>RSC Advances</i> , 2017 , 7, 3495-3504	3.7	15
59	Fluorine-free, liquid-repellent surfaces made from ionic liquid-infused nanostructured silicon. <i>Monatshefte für Chemie</i> , 2017 , 148, 167-177	1.4	11
58	Thermodynamic study for micellization of imidazolium based surface active ionic liquids in water: Effect of alkyl chain length and anions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 532, 609-617	5.1	49
57	Anti-inflammatory choline based ionic liquids: Insights into their lipophilicity, solubility and toxicity parameters. <i>Journal of Molecular Liquids</i> , 2017 , 232, 20-26	6	20
56	Surface-active ionic liquids in catalysis: Impact of structure and concentration on the aerobic oxidation of octanol in water. <i>Journal of Colloid and Interface Science</i> , 2017 , 492, 136-145	9.3	30
55	Toward a benign strategy for the manufacturing of betulinic acid. <i>Green Chemistry</i> , 2017 , 19, 1014-1022	10	16
54	Design and synthesis of basic ionic liquids for the esterification of triterpenic acids. <i>Monatshefte für Chemie</i> , 2017 , 148, 139-148	1.4	9
53	A comparison of two methods of recovering cobalt from a deep eutectic solvent: Implications for battery recycling. <i>Journal of Cleaner Production</i> , 2017 , 167, 806-814	10.3	29
52	Surface-active ionic liquids for palladium-catalysed cross coupling in water: effect of ionic liquid concentration on the catalytically active species. <i>RSC Advances</i> , 2017 , 7, 41144-41151	3.7	29
51	Ionic liquids for consumer products: Dissolution, characterization, and controlled release of fragrance compositions. <i>Fluid Phase Equilibria</i> , 2017 , 450, 51-56	2.5	7
50	Extraction and consecutive purification of anthocyanins from grape pomace using ionic liquid solutions. <i>Fluid Phase Equilibria</i> , 2017 , 451, 68-78	2.5	43
49	Hydration and Counterion Binding of [CMIM] Micelles. <i>Langmuir</i> , 2017 , 33, 9844-9856	4	18
48	Acyclovir as an Ionic Liquid Cation or Anion Can Improve Aqueous Solubility. <i>ACS Omega</i> , 2017 , 2, 3483-3493	3.9	23

47	General review of ionic liquids and their properties 2016 , 1-23		1
46	Synthesis and characterisation of ionic liquids 2016 , 25-41		
45	Automated evaluation of protein binding affinity of anti-inflammatory choline based ionic liquids. <i>Talanta</i> , 2016 , 150, 20-6	6.2	9
44	Leaching of Active Ingredients from Plants with Ionic Liquids. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 135-165	1.1	1
43	Additive polarizabilities in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1665-70	3.6	27
42	Chiral Ionic Liquids in Separation Sciences. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 167-192	1.1	1
41	Ionic Liquid-Based Microemulsions in Catalysis. <i>Journal of Organic Chemistry</i> , 2016 , 81, 12332-12339	4.2	31
40	Surface-active ionic liquids in micellar catalysis: impact of anion selection on reaction rates in nucleophilic substitutions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13375-84	3.6	59
39	Bioparticles coated with an ionic liquid for the pre-concentration of rare earth elements from microwave-digested tea samples and the subsequent quantification by ETV-ICP-OES. <i>Analytical Methods</i> , 2016 , 8, 7808-7815	3.2	7
38	Determination of residual chloride content in ionic liquids using LA-ICP-MS. <i>RSC Advances</i> , 2016 , 6, 90273-90279	3.7	19
37	Coordinating Chiral Ionic Liquids: Design, Synthesis, and Application in Asymmetric Transfer Hydrogenation under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 2374-2381	3.2	29
36	Amino alcohol-derived chiral ionic liquids: structural investigations toward chiral recognition. <i>Tetrahedron: Asymmetry</i> , 2015 , 26, 1069-1082		14
35	Fast and efficient extraction of DNA from meat and meat derived products using aqueous ionic liquid buffer systems. <i>New Journal of Chemistry</i> , 2015 , 39, 4994-5002	3.6	18
34	Dielectric spectra of ionic liquids and their conversion to solvation dynamics: a detailed computational analysis of polarizable systems. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10999-10099	3.6	18
33	Automated evaluation of pharmaceutically active ionic liquidsS(eco)toxicity through the inhibition of human carboxylesterase and <i>Vibrio fischeri</i> . <i>Journal of Hazardous Materials</i> , 2014 , 265, 133-41	12.8	30
32	Direct extraction of genomic DNA from maize with aqueous ionic liquid buffer systems for applications in genetically modified organisms analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7773-84	4.4	24
31	Coordinating chiral ionic liquids. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 8092-102	3.9	12
30	Active pharmaceutical ingredients based on salicylate ionic liquids: insights into the evaluation of pharmaceutical profiles. <i>New Journal of Chemistry</i> , 2013 , 37, 4095	3.6	45

29	Basic chiral ionic liquids: A novel strategy for acid-free organocatalysis. <i>Catalysis Today</i> , 2013 , 200, 80-86	5.3	26
28	Design, synthesis, and application of novel chiral ONN ligands for asymmetric alkylation. <i>Monatshefte Für Chemie</i> , 2013 , 144, 447-453	1.4	3
27	Prodrug ionic liquids: functionalizing neutral active pharmaceutical ingredients to take advantage of the ionic liquid form. <i>MedChemComm</i> , 2013 , 4, 559	5	67
26	Polarisabilities of alkylimidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2703-11	3.6	57
25	Exploring ionic liquidBiomass interactions: towards the improved isolation of shikimic acid from star anise pods. <i>RSC Advances</i> , 2013 , 3, 26010	3.7	41
24	The effect of Thole functions on the simulation of ionic liquids with point induced dipoles at various densities. <i>Journal of Chemical Physics</i> , 2013 , 138, 204119	3.9	12
23	Surface-active Ionic Liquids for Micellar Extraction of Piperine from Black Pepper. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 1129-1137	1	44
22	Micellar catalysis in aqueous-ionic liquid systems. <i>Chemical Communications</i> , 2012 , 48, 5013-5	5.8	69
21	New aspects for biomass processing with ionic liquids: towards the isolation of pharmaceutically active betulin. <i>Green Chemistry</i> , 2012 , 14, 940	10	50
20	Hydrated Ionic Liquids with and without Solute: The Influence of Water Content and Protein Solutes. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 3911-28	6.4	43
19	Pharmaceutically active ionic liquids with solids handling, enhanced thermal stability, and fast release. <i>Chemical Communications</i> , 2012 , 48, 5422-4	5.8	86
18	Iron catalyzed Michael addition: Chloroferrate ionic liquids as efficient catalysts under microwave conditions. <i>Science China Chemistry</i> , 2012 , 55, 1614-1619	7.9	15
17	Comparing reduced partial charge models with polarizable simulations of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3089-102	3.6	198
16	Liquid forms of pharmaceutical co-crystals: exploring the boundaries of salt formation. <i>Chemical Communications</i> , 2011 , 47, 2267-9	5.8	103
15	From plant to drug: ionic liquids for the reactive dissolution of biomass. <i>Green Chemistry</i> , 2011 , 13, 1442	10	52
14	Ionic liquids and fragrances Direct isolation of orange essential oil. <i>Green Chemistry</i> , 2011 , 13, 1997	10	66
13	Toxic on purpose: ionic liquid fungicides as combinatorial crop protecting agents. <i>Green Chemistry</i> , 2011 , 13, 2344	10	40
12	From Solvent to Sustainable Catalysis - Chloroferrate Ionic Liquids in Synthesis. <i>Current Organic Synthesis</i> , 2011 , 8, 824-839	1.9	7

11	Simulating polarizable molecular ionic liquids with Drude oscillators. <i>Journal of Chemical Physics</i> , 2010 , 133, 154511	3.9	77
10	In search of pure liquid salt forms of aspirin: ionic liquid approaches with acetylsalicylic acid and salicylic acid. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2011-7	3.6	159
9	Confused ionic liquid ions--a "liquification" and dosage strategy for pharmaceutically active salts. <i>Chemical Communications</i> , 2010 , 46, 1215-7	5.8	104
8	Crystalline vs. ionic liquid salt forms of active pharmaceutical ingredients: a position paper. <i>Pharmaceutical Research</i> , 2010 , 27, 521-6	4.5	259
7	Application of meso-hydrobenzoin-derived chiral auxiliaries for the stereoselective synthesis of highly substituted pyrrolidines by 1,3-dipolar cycloaddition of azomethine ylides. <i>Tetrahedron: Asymmetry</i> , 2010 , 21, 641-646		3
6	Applications of Chiral Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 3235-3250	3.2	153
5	Metal-Containing Ionic Liquids as Efficient Catalysts for Hydroxymethylation in Water. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 3453-3456	3.2	45
4	Microwave-Assisted Synthesis of Camphor-Derived Chiral Imidazolium Ionic Liquids and Their Application in Diastereoselective Diels-Alder Reaction. <i>Synthesis</i> , 2007 , 2007, 1333-1338	2.9	7
3	Synthesis and analytics of 2,2,3,4,4-d5-19-nor-5 α -androsterone--an internal standard in doping analysis. <i>Steroids</i> , 2007 , 72, 429-36	2.8	2
2	An iron-containing ionic liquid as recyclable catalyst for aryl grignard cross-coupling of alkyl halides. <i>Organic Letters</i> , 2006 , 8, 733-5	6.2	175
1	Synthesis of Partially Deuterated N-Nitrosamines [New Standards in Tobacco-smoke Analysis. <i>Monatshefte für Chemie</i> , 2004 , 135, 549-555	1.4	1