## Michael Schnürch

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Liquid―and Solidâ€based Separations Employing Ionic Liquids for the Recovery of Platinum Group Metals Typically Encountered in Catalytic Converters: A Review. ChemSusChem, 2022, 15, .	3.6	11
2	Selective α-Methylation of Aryl Ketones Using Quaternary Ammonium Salts as Solid Methylating Agents. Journal of Organic Chemistry, 2022, 87, 4305-4315.	1.7	8
3	Investigation of Leoligin Derivatives as NF-î $\hat{ m l}$ Inhibitory Agents. Biomedicines, 2022, 10, 62.	1.4	2
4	Sterically Demanding Flexible Phosphoric Acids for Constructing Efficient and Multiâ€Purpose Asymmetric Organocatalysts. Angewandte Chemie, 2022, 134, .	1.6	1
5	Sterically Demanding Flexible Phosphoric Acids for Constructing Efficient and Multiâ€Purpose Asymmetric Organocatalysts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
6	Benign recovery of platinum group metals from spent automotive catalysts using choline-based deep eutectic solvents. Green Chemistry Letters and Reviews, 2022, 15, 404-414.	2.1	14
7	Counterion-Enhanced Pd/Enamine Catalysis: Direct Asymmetric α-Allylation of Aldehydes with Allylic Alcohols by Chiral Amines and Achiral or Racemic Phosphoric Acids. Journal of Organic Chemistry, 2021, 86, 850-860.	1.7	14
8	Toward the Recovery of Platinum Group Metals from a Spent Automotive Catalyst with Supported Ionic Liquid Phases. ACS Sustainable Chemistry and Engineering, 2021, 9, 375-386.	3.2	31
9	Chiral Phosphoric Acids as Versatile Tools for Organocatalytic Asymmetric Transfer Hydrogenations. European Journal of Organic Chemistry, 2021, 2021, 5367-5381.	1.2	21
10	A Combined Deep Eutectic Solvent–Ionic Liquid Process for the Extraction and Separation of Platinum Group Metals (Pt, Pd, Rh). Molecules, 2021, 26, 7204.	1.7	9
11	Combined ionic liquid and supercritical carbon dioxide based dynamic extraction of six cannabinoids from <i>Cannabis sativa</i> L Green Chemistry, 2021, 23, 10079-10089.	4.6	13
12	Synthesis of a Diaryliodonium Salt and Its Use in the Direct Arylation of Indole: A Two-Step Experiment for the Organic Teaching Laboratory. Journal of Chemical Education, 2020, 97, 200-206.	1.1	4
13	Characterization of a Structural Leoligin Analog as Farnesoid X Receptor Agonist and Modulator of Cholesterol Transport. Planta Medica, 2020, 86, 1097-1107.	0.7	2
14	A silver-coated copper wire as inexpensive drug eluting stent model: determination of the relative releasing properties of leoligin and derivatives. Monatshefte Für Chemie, 2020, , 1.	0.9	2
15	Structural Features Defining NF-κB Inhibition by Lignan-Inspired Benzofurans and Benzothiophenes. Biomolecules, 2020, 10, 1131.	1.8	1
16	Carbamate-based P,O-ligands for asymmetric allylic alkylations. Tetrahedron, 2020, 76, 131246.	1.0	3
17	Allosteric GABAA Receptor Modulators—A Review on the Most Recent Heterocyclic Chemotypes and Their Synthetic Accessibility. Molecules, 2020, 25, 999.	1.7	22
18	Design and Synthesis of a Compound Library Exploiting 5-Methoxyleoligin as Potential Cholesterol Efflux Promoter. Molecules, 2020, 25, 662.	1.7	4

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19	GABAA Receptor Ligands Often Interact with Binding Sites in the Transmembrane Domain and in the Extracellular Domain—Can the Promiscuity Code Be Cracked?. International Journal of Molecular Sciences, 2020, 21, 334.	1.8	15
20	Counterion Enhanced Organocatalysis: A Novel Approach for the Asymmetric Transfer Hydrogenation of Enones. ChemCatChem, 2020, 12, 3776-3782.	1.8	10
21	Photocatalytic deaminative benzylation and alkylation of tetrahydroisoquinolines with N-alkylpyrydinium salts. Beilstein Journal of Organic Chemistry, 2020, 16, 809-817.	1.3	15
22	Variations on a scaffold - Novel GABAA receptor modulators. European Journal of Medicinal Chemistry, 2019, 180, 340-349.	2.6	4
23	Research from the EuCheMS Organic Division. Monatshefte Für Chemie, 2019, 150, 1-1.	0.9	1
24	Leoligin-inspired synthetic lignans with selectivity for cell-type and bioactivity relevant for cardiovascular disease. Chemical Science, 2019, 10, 5815-5820.	3.7	11
25	Investigations of the generality of quaternary ammonium salts as alkylating agents in direct C–H alkylation reactions: solid alternatives for gaseous olefins. Organic and Biomolecular Chemistry, 2019, 17, 4024-4030.	1.5	10
26	Rhodium-catalyzed direct alkylation of benzylic amines using alkyl bromides. Monatshefte Für Chemie, 2019, 150, 127-138.	0.9	1
27	Toluene and its Derivatives as Atom-Efficient Benzylating Agents for Secondary Amines. Synlett, 2019, 30, 94-98.	1.0	2
28	Easy Access to Enantiopure ( <i>S</i> )―and ( <i>R</i> )â€Aryl Alkyl Alcohols by a Combination of Gold(III)â€Catalyzed Alkyne Hydration and Enzymatic Reduction. ChemCatChem, 2018, 10, 920-924.	1.8	23
29	Towards functional selectivity for α6β3γ2 GABA <sub>A</sub> receptors: a series of novel pyrazoloquinolinones. British Journal of Pharmacology, 2018, 175, 419-428.	2.7	25
30	Biocompatible metal-assisted C–C cross-coupling combined with biocatalytic chiral reductions in a concurrent tandem cascade. Chemical Communications, 2018, 54, 12978-12981.	2.2	26
31	European Research in Focus: C-H Activation in Organic Synthesis (CHAOS). European Journal of Organic Chemistry, 2018, 2018, 6032-6033.	1.2	0
32	Stereoselective Synthesis of the Isomers of Notoincisol A: Assigment of the Absolute Configuration of this Natural Product and Biological Evaluation. Journal of Natural Products, 2018, 81, 2419-2428.	1.5	1
33	Magnolol dimer-derived fragments as PPARÎ <sup>3</sup> -selective probes. Organic and Biomolecular Chemistry, 2018, 16, 7019-7028.	1.5	6
34	One-pot synthesis of triazines as potential agents affecting cell differentiation. Monatshefte Für Chemie, 2018, 149, 1257-1284.	0.9	7
35	Selected papers on medicinal chemistry. Monatshefte Für Chemie, 2018, 149, 1189-1189.	0.9	0
36	A comprehensive overview of directing groups applied in metal-catalysed C–H functionalisation chemistry. Chemical Society Reviews, 2018, 47, 6603-6743.	18.7	1,272

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37	Engineered Flumazenil Recognition Site Provides Mechanistic Insight Governing Benzodiazepine Modulation in GABA <sub>A</sub> Receptors. ACS Chemical Biology, 2018, 13, 2040-2047.	1.6	8
38	SAR-Guided Scoring Function and Mutational Validation Reveal the Binding Mode of CCS-8216 at the α1+/γ2– Benzodiazepine Site. Journal of Chemical Information and Modeling, 2018, 58, 1682-1696.	2.5	5
39	A new home for organic chemistry in Austria: the workgroup organic chemistry of the Austrian Chemical Society. Monatshefte FA¼r Chemie, 2017, 148, 1-1.	0.9	4
40	Direct Functionalization of Câ^'H Bonds by Iron, Nickel, and Cobalt Catalysis. Chemistry - A European Journal, 2017, 23, 9206-9232.	1.7	177
41	Improved simplicity and practicability in copper-catalyzed alkynylation of tetrahydroisoquinoline. Monatshefte Für Chemie, 2017, 148, 91-104.	0.9	13
42	Linked magnolol dimer as a selective PPARγ agonist – Structure-based rational design, synthesis, and bioactivity evaluation. Scientific Reports, 2017, 7, 13002.	1.6	13
43	Frontispiece: Direct Functionalization of Câ^'H Bonds by Iron, Nickel, and Cobalt Catalysis. Chemistry - A European Journal, 2017, 23, .	1.7	2
44	Molecular tools for GABAA receptors: High affinity ligands for β1-containing subtypes. Scientific Reports, 2017, 7, 5674.	1.6	25
45	Quaternary Ammonium Salts as Alkylating Reagents in C–H Activation Chemistry. Organic Letters, 2017, 19, 4287-4290.	2.4	24
46	Cu(I)-catalyzed one-pot decarboxylation-alkynylation reactions on 1,2,3,4-tetrahydroisoquinolines and one-pot synthesis of triazolyl-1,2,3,4-tetrahydroisoquinolines. Journal of Molecular Catalysis A, 2017, 426, 398-406.	4.8	8
47	(Z)-4,6-Dichloro-N-(4-chlorophenyl)quinoline-3-carbimidoyl chloride. IUCrData, 2017, 2, .	0.1	0
48	Library synthesis of cardiomyogenesis inducing compounds using an efficient two-step-one-flow process. Monatshefte Für Chemie, 2016, 147, 523-532.	0.9	1
49	Medicinal and bioorganic chemistry: an Austrian perspective of the chemistry–biology interface. Monatshefte Für Chemie, 2016, 147, 477-477.	0.9	0
50	Expansion of the Concept of Nonlinear Effects in Catalytic Reactions Beyond Asymmetric Catalysis. Chemistry - A European Journal, 2016, 22, 5637-5642.	1.7	5
51	Targeting aphA : a new high-throughput screening assay identifies compounds that reduce prime virulence factors of Vibrio cholerae. Journal of Medical Microbiology, 2016, 65, 678-687.	0.7	9
52	Synthesis of <i>endo</i> ―and <i>exo</i> â€ <i>N</i> â€Protected 5â€Arylated 2â€Aminothiazoles through Direct Arylation: An Efficient Route to Cell Differentiation Accelerators. European Journal of Organic Chemistry, 2015, 2015, 4765-4771.	1.2	6
53	Mechanistic and Kinetic Studies of the Direct Alkylation of Benzylic Amines: A Formal C(sp <sup>3</sup> )–H Activation Proceeds Actually via a C(sp <sup>2</sup> )–H Activation Pathway. ACS Catalysis, 2015, 5, 587-595.	5.5	17
54	Investigations into the Kinetic Modeling of the Direct Alkylation of Benzylic Amines: Dissolution of K2CO3 Is Responsible for the Observation of an Induction Period. Journal of Organic Chemistry, 2015, 80, 8268-8274.	1.7	7

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55	Metal-Catalyzed Cross-Coupling Reactions in the Decoration of Pyridines. Topics in Heterocyclic Chemistry, 2015, , 1-60.	0.2	1
56	Metal-assisted synthesis of unsymmetrical magnolol and honokiol analogs and their biological assessment as GABAA receptor ligands. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 400-403.	1.0	8
57	Exploiting the C-H bond in metal catalyzed C-C bond forming reactions. Arkivoc, 2015, 2015, 212-243.	0.3	11
58	Recent Advances in Palladium-Catalyzed C(sp3)–H Activation for the Formation of Carbon–Carbon and Carbon–Heteroatom Bonds. Synthesis, 2014, 46, 1421-1439.	1.2	99
59	Small Molecule Cardiogenol C Upregulates Cardiac Markers and Induces Cardiac Functional Properties in Lineage-Committed Progenitor Cells. Cellular Physiology and Biochemistry, 2014, 33, 205-221.	1.1	6
60	Direct Arylation of Benzo[ <i>b</i> ]furan and Other Benzoâ€Fused Heterocycles. European Journal of Organic Chemistry, 2014, 2014, 8119-8125.	1.2	45
61	Ligandâ€Assisted Iron Catalysis in the Direct Functionalization of CH Bonds. ChemCatChem, 2014, 6, 2194-2196.	1.8	18
62	Exploration of C–H and N–H-bond functionalization towards 1-(1,2-diarylindol-3-yl)tetrahydroisoquinolines. Beilstein Journal of Organic Chemistry, 2014, 10, 2186-2199.	1.3	6
63	VUT-MK142 : a new cardiomyogenic small molecule promoting the differentiation of pre-cardiac mesoderm into cardiomyocytes. MedChemComm, 2013, 4, 1189.	3.5	8
64	4th Young Investigator Workshop. Monatshefte Für Chemie, 2013, 144, 445-445.	0.9	0
65	Pd(0)-Catalyzed Cu(I)-Thiophene-2-carboxylate-mediated Cross-Coupling of Heteroaromatic Thioethers and Boronic Acids-First Liebeskind-Srogl Reaction in Water. Journal of Heterocyclic Chemistry, 2013, 50, 1368-1373.	1.4	11
66	Mechanistic Investigations and Substrate Scope Evaluation of Ruthenium-Catalyzed Direct sp3 Arylation of Benzylic Positions Directed by 3-Substituted Pyridines. Journal of Organic Chemistry, 2013, 78, 658-672.	1.7	48
67	Single Operation Stereoselective Synthesis of <i>Aerangis</i> Lactones: Combining Continuous Flow Hydrogenation and Biocatalysts in a Chemoenzymatic Sequence. ChemCatChem, 2013, 5, 724-727.	1.8	51
68	Identification of novel positive allosteric modulators and null modulators at the <scp>GABA<sub>A</sub></scp> receptor α+βâ^' interface. British Journal of Pharmacology, 2013, 169, 371-383.	2.7	47
69	First selective direct mono-arylation of piperidines using ruthenium-catalyzed C–H activation. Monatshefte Für Chemie, 2013, 144, 539-552.	0.9	16
70	Aryl Bromides and Aryl Chlorides for the Direct Arylation of Benzylic Amines Mediated by Ruthenium(II). European Journal of Organic Chemistry, 2013, 2013, 2878-2890.	1.2	24
71	Selective Sequential Cross-Coupling Reactions on Imidazole towards Neurodazine and Analogues. Synthesis, 2013, 45, 1387-1405.	1.2	13
72	Arylation of Pyridines via Suzuki-Miyaura Cross-Coupling and Pyridine-ÂÐirected C-H Activation Using a Continuous-Flow Approach. Synlett, 2013, 24, 2411-2418.	1.0	18

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73	Synthesis of substituted thieno[2,3-d]isothiazoles as potential plant activators. Arkivoc, 2013, 2013, 245-265.	0.3	4
74	Selective Ru(0)-Catalyzed Deuteration of Electron-Rich and Electron-Poor Nitrogen-Containing Heterocycles. Journal of Organic Chemistry, 2012, 77, 4432-4437.	1.7	44
75	Ruthenium(II)-Catalyzed sp <sup>3</sup> C–H Bond Arylation of Benzylic Amines Using Aryl Halides. Organic Letters, 2012, 14, 3792-3795.	2.4	42
76	Ruthenium(0)-Catalyzed sp <sup>3</sup> C–H Bond Arylation of Benzylic Amines Using Arylboronates. Organic Letters, 2012, 14, 1930-1933.	2.4	73
77	Palladium(II)â€Catalyzed Regioselective <i>Ortho</i> Arylation of sp <sup>2</sup> CH Bonds of <i>N</i> â€Arylâ€2â€amino Pyridine Derivatives. ChemCatChem, 2012, 4, 1345-1352.	1.8	14
78	Recent Progress on the Halogen Dance Reaction on Heterocycles. Topics in Heterocyclic Chemistry, 2011, , 185-218.	0.2	23
79	Direct Functionalization of (Un)protected Tetrahydroisoquinoline and Isochroman under Iron and Copper Catalysis: Two Metals, Two Mechanisms. Journal of Organic Chemistry, 2011, 76, 8781-8793.	1.7	136
80	Tandem Catalysis: From Alkynoic Acids and Aryl Iodides to 1,2,3-Triazoles in One Pot. Journal of Organic Chemistry, 2011, 76, 2613-2618.	1.7	108
81	Application of continuous flow and alternative energy devices for 5-hydroxymethylfurfural production. Molecular Diversity, 2011, 15, 639-643.	2.1	17
82	Studying competitive lithiations at alpha-, ortho-, and benzylic positions in various N-protected aniline derivatives. Tetrahedron, 2011, 67, 2895-2904.	1.0	6
83	Regioselective Syntheses of 2,3â€Substituted Pyridines by Orthogonal Crossâ€Coupling Strategies. European Journal of Organic Chemistry, 2011, 2011, 1972-1979.	1.2	29
84	Synthesis of 5-arylated N-arylthiazole-2-amines as potential skeletal muscle cell differentiation promoters. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2149-2154.	1.0	21
85	Metal assisted synthesis of mono and diamino substituted pyridines. Tetrahedron, 2011, 67, 4169-4178.	1.0	20
86	Functionalization of Saturated and Unsaturated Heterocycles via Transition Metal Catalyzed C-H Activation Reactions. Current Organic Chemistry, 2011, 15, 2694-2730.	0.9	52
87	Synthesis and screening of 2,6-diamino-substituted purine derivatives as potential cardiomyogenesis inducing agents. Arkivoc, 2011, 2011, 45-61.	0.3	3
88	Investigation of the regioselectivity of the Hurd–Mori reaction for the formation of bicyclic 1,2,3-thiadiazoles. Tetrahedron, 2010, 66, 5472-5478.	1.0	5
89	A guideline for the arylation of positions 4 and 5 of thiazole via Pd-catalyzed cross-coupling reactions. Tetrahedron, 2010, 66, 8051-8059.	1.0	19
90	A Systematic Study of Suzuki-Miyaura Cross-Coupling Reactions on Thiazoleboronic Esters in the 4- and 5-Position. Synthesis, 2010, 2010, 837-843.	1.2	15

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91	Selective and Facile Palladium-Catalyzed Amination of 2-Fluoro-4-iodopyridine in the 4-Position under Microwave Conditions. Synlett, 2010, 2010, 1505-1510.	1.0	0
92	Facile, solvent and ligand free iron catalyzed direct functionalization of N-protected tetrahydroisoquinolines and isochroman. Chemical Communications, 2010, 46, 8836.	2.2	170
93	Polyarylated Thiazoles via a Combined Halogen Dance – Cross oupling Strategy. European Journal of Organic Chemistry, 2009, 2009, 3228-3236.	1.2	20
94	Synthesis of novel 4-(2-amino-5-thiazolyl)-pyrimidine-2-amines as potential protein kinase inhibitors. Monatshefte Für Chemie, 2009, 140, 423-430.	0.9	5
95	Synthesis of potential fungicides based on N-(3-furanyl)pyrrolecarboxamides and N-(3-furanyl)pyrazolecarboxamides. Monatshefte Für Chemie, 2009, 140, 1349-1359.	0.9	5
96	Halogen Dance and Sequential Cross-Coupling on 2-Anilinothiazoles. Letters in Organic Chemistry, 2009, 6, 171-174.	0.2	10
97	Efforts to induce cardiac electrophysiological properties in skeletal myoblasts in vitro. BMC Pharmacology, 2008, 8, A41.	0.4	1
98	A Comparative Study on Stille Cross-Coupling Reactions of 2-Phenylthiazoles and 2-Phenyloxazoles. Synthesis, 2008, 2008, 3099-3107.	1.2	5
99	Polysubstituted Thiazole Derivatives via the Halogen-Dance Reaction. Synlett, 2007, 2007, 3016-3018.	1.0	5
100	Comparing the Reactivity of the 4- and 5-Positions of 2-Phenylthiazoles in Stille Cross-Coupling Reactions. Synlett, 2007, 2007, 2975-2978.	1.0	1
101	Halogen dance reactions—A review. Chemical Society Reviews, 2007, 36, 1046-1057.	18.7	174
102	A facile and green synthetic route to boronic acidesters utilizing mechanochemistry. Green Chemistry, 2007, 9, 139-145.	4.6	36
103	Ruthenium Catalyzed Decarbonylative Arylation at sp3 Carbon Centers in Pyrrolidine and Piperidine Heterocycles. Journal of the American Chemical Society, 2007, 129, 11750-11755.	6.6	77
104	Halogenated 2â€~-Chlorobithiazoles via Pd-Catalyzed Cross-Coupling Reactions. Journal of Organic Chemistry, 2006, 71, 3754-3761.	1.7	50
105	Synthesis of analogs of the phenylamino-pyrimidine type protein kinase C inhibitor CGP 60474 utilizing a Negishi cross-coupling strategy. Tetrahedron, 2006, 62, 2380-2387.	1.0	18
106	Cross oupling Reactions on Azoles with Two and More Heteroatoms. European Journal of Organic Chemistry, 2006, 2006, 3283-3307.	1.2	263
107	Investigations of the Halogen Dance Reaction on N-Substituted 2-Thiazolamines§. Journal of Organic Chemistry, 2005, 70, 567-574.	1.7	28
108	Novel and Efficient Access to Phenylamino-pyrimidine Type Protein Kinase C Inhibitors Utilizing a Negishi Cross-Coupling Strategyâ€. Journal of Organic Chemistry, 2005, 70, 5215-5220.	1.7	45

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109	Synthesis of Pyridinyl-Pyrimidines via Pd-Catalyzed Cross-Coupling Reactions: A Comparison of Classical Thermal and Microwave Assisted Reaction Conditions. Synlett, 2003, 2003, 1862-1864.	1.0	28

110 Sugar Alcohols and Synthetic Derivatives as Phase Change Materials. , 0, , .