

Ryan Gilmour

List of Publications by Year in descending order

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131
papers

6,119
citations

66343

42
h-index

82547

72
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147
all docs

147
docs citations

147
times ranked

4027
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bio-Inspired, Catalytic <i>E</i> → <i>Z</i> Isomerization of Activated Olefins. <i>Journal of the American Chemical Society</i> , 2015, 137, 11254-11257.	13.7	277
2	Fluorine Conformational Effects in Organocatalysis: An Emerging Strategy for Molecular Design. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11860-11871.	13.8	257
3	One Photocatalyst, <i>n</i> Activation Modes Strategy for Cascade Catalysis: Emulating Coumarin Biosynthesis with (α ⁺)-Riboflavin. <i>Journal of the American Chemical Society</i> , 2016, 138, 1040-1045.	13.7	226
4	Catalytic Difluorination of Olefins. <i>Journal of the American Chemical Society</i> , 2016, 138, 5004-5007.	13.7	219
5	Advances in the <i>E</i> → <i>Z</i> Isomerization of Alkenes Using Small Molecule Photocatalysts. <i>Chemical Reviews</i> , 2022, 122, 2650-2694.	47.7	184
6	Positional and Geometrical Isomerisation of Alkenes: The Pinnacle of Atom Economy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13654-13664.	13.8	181
7	The Fluorine <i>Gauche</i> Effect: A Brief History. <i>Israel Journal of Chemistry</i> , 2017, 57, 92-100.	2.3	150
8	The Fluorine- <i>Ch</i> minium Ion <i>Gauche</i> Effect: Proof of Principle and Application to Asymmetric Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3065-3068.	13.8	134
9	Bioinspired Radical Stetter Reaction: Radical Umpolung Enabled by Ion-Pair Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1208-1212.	13.8	125
10	Boron-enabled geometric isomerization of alkenes via selective energy-transfer catalysis. <i>Science</i> , 2020, 369, 302-306.	12.6	121
11	Photocatalytic <i>E</i> → <i>Z</i> Isomerization of Polarized Alkenes Inspired by the Visual Cycle: Mechanistic Dichotomy and Origin of Selectivity. <i>Journal of Organic Chemistry</i> , 2017, 82, 9955-9977.	3.2	120
12	Enantioselective, Catalytic Vicinal Difluorination of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16431-16435.	13.8	119
13	Cyclopropyl Iminium Activation: Reactivity Umpolung in Enantioselective Organocatalytic Reaction Design. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8391-8395.	13.8	111
14	Fluorine-Directed Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8724-8728.	13.8	109
15	Contra-Thermodynamic, Photocatalytic <i>E</i> → <i>Z</i> Isomerization of Styrenyl Boron Species: Vectors to Facilitate Exploration of Two-Dimensional Chemical Space. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3168-3172.	13.8	109
16	Total Syntheses of Amphidinolide H and G. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9265-9270.	13.8	107
17	Total Syntheses of Amphidinolides B1, B4, G1, H1 and Structure Revision of Amphidinolide H2. <i>Chemistry - A European Journal</i> , 2009, 15, 3983-4010.	3.3	107
18	Deconstructing Covalent Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3862-3871.	13.8	94

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19	Stereochemical Models for Discussing Additions to α,β -Unsaturated Aldehydes Organocatalyzed by Diarylprolinol or Imidazolidinone Derivatives – Is There an E/Z Dilemma? Helvetica Chimica Acta, 2010, 93, 603-634.	1.6	93
20	Informing Molecular Design by Stereoelectronic Theory: The Fluorine <i>Gauche</i> Effect in Catalysis. Accounts of Chemical Research, 2018, 51, 1701-1710.	15.6	90
21	Catalytic, Vicinal Difluorination of Olefins: Creating a Hybrid, Chiral Bioisostere of the Trifluoromethyl and Ethyl Groups. ACS Catalysis, 2016, 6, 7167-7173.	11.2	78
22	Designing Fluorinated Cinchona Alkaloids for Enantioselective Catalysis: Controlling Internal Rotation by a Fluorine-Ammonium Ion <i>gauche</i> Effect (\uparrow -NCCF). Chemistry - A European Journal, 2012, 18, 2006-2013.	3.3	74
23	Stereochemical bias introduced during RNA synthesis modulates the activity of phosphorothioate siRNAs. Nature Communications, 2015, 6, 6317.	12.8	72
24	Deconstructing the Catalytic, Vicinal Difluorination of Alkenes: HF-Free Synthesis and Structural Study of <i>p</i> -TolFF ₂ . Journal of Organic Chemistry, 2017, 82, 11792-11798.	3.2	71
25	Fluoro-Organocatalysts: Conformer Equivalents as a Tool for Mechanistic Studies. Angewandte Chemie - International Edition, 2010, 49, 6520-6523.	13.8	68
26	Fluorinated Organocatalysts for the Enantioselective Epoxidation of Enals: Molecular Preorganisation by the Fluorine-Ammonium Ion <i>Gauche</i> Effect. Chemistry - A European Journal, 2012, 18, 11334-11342.	3.3	68
27	Catalytic <i>Geminal</i> Difluorination of Styrenes for the Construction of Fluorine-rich Bioisosteres. Organic Letters, 2018, 20, 8073-8076.	4.6	66
28	Vitamin Catalysis: Direct, Photocatalytic Synthesis of Benzocoumarins via (α')-Riboflavin-Mediated Electron Transfer. Organic Letters, 2018, 20, 1316-1319.	4.6	65
29	The Crystal Structure of D -Ribose – At Last!. Angewandte Chemie - International Edition, 2010, 49, 4503-4505.	13.8	63
30	Noncovalent Interactions in Organocatalysis: Modulating Conformational Diversity and Reactivity in the MacMillan Catalyst. Angewandte Chemie - International Edition, 2013, 52, 7967-7971.	13.8	63
31	Fundamental insights into the enantioselectivity of hydrogenations on cinchona-modified platinum and palladium. Journal of Catalysis, 2012, 289, 238-248.	6.2	59
32	Positionelle und geometrische Isomerisierung von Alkenen: der Gipfel der Atomökonomie. Angewandte Chemie, 2019, 131, 13789-13800.	2.0	58
33	Translating the Enantioselective Michael Reaction to a Continuous Flow Paradigm with an Immobilized, Fluorinated Organocatalyst. ACS Catalysis, 2015, 5, 6241-6248.	11.2	56
34	Synthetic studies related to diketopyrrolopyrrole (DPP) pigments. Part 1: The search for alkenyl-DPPs. Unsaturated nitriles in standard DPP syntheses: a novel cyclopenta[c]pyrrolone chromophore. Tetrahedron, 2002, 58, 5547-5565.	1.9	54
35	Geometric E/Z Isomerisation of Alkenyl Silanes by Selective Energy Transfer Catalysis: Stereodivergent Synthesis of Triarylethylenes via a Formal <i>anti</i> -Metallometallation. Angewandte Chemie - International Edition, 2019, 58, 18619-18626.	13.8	52
36	Fluorine-Directed β -Galactosylation: Chemical Glycosylation Development by Molecular Editing. Chemistry - A European Journal, 2012, 18, 8208-8215.	3.3	50

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37	Fluorinated Quinine Alkaloids: Synthesis, X-ray Structure Analysis and Antimalarial Parasite Chemotherapy. <i>Chemistry - A European Journal</i> , 2009, 15, 7637-7647.	3.3	49
38	Enantioselective Aziridination of Cyclic Enals Facilitated by the Fluorine- σ -Iminium Ion <i>gauche</i> Effect. <i>Chemistry - A European Journal</i> , 2014, 20, 794-800.	3.3	47
39	Spatiotemporal Control of Pre-existing Alkene Geometry: A Bio-Inspired Route to 4-Trifluoromethyl-2-H-chromenes. <i>Organic Letters</i> , 2018, 20, 724-727.	4.6	44
40	Catalytic <i>Vicinal</i> Dichlorination of Unactivated Alkenes. <i>ACS Catalysis</i> , 2019, 9, 7232-7237.	11.2	44
41	Enantioselective Synthesis of β -Fluorochromanes via Iodine(I)/Iodine(III) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15069-15075.	13.8	44
42	Enantioselective, Catalytic Vicinal Difluorination of Alkenes. <i>Angewandte Chemie</i> , 2018, 130, 16669-16673.	2.0	42
43	Sequential Energy Transfer Catalysis: A Cascade Synthesis of Angularly-Fused Dihydrocoumarins. <i>Organic Letters</i> , 2019, 21, 9724-9728.	4.6	42
44	Structural and Computational Analysis of α -Halogeno- β -Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13758-13762.	13.8	41
45	Expanding organofluorine chemical space: the design of chiral fluorinated isosteres enabled by I(<i>scp</i>)/I(<i>iii</i>) catalysis. <i>Chemical Science</i> , 2021, 12, 10686-10695.	7.4	41
46	Molecular Design Exploiting a Fluorine <i>gauche</i> Effect as a Stereoelectronic Trigger. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1202-1211.	2.4	39
47	Inverting External Asymmetric Induction via Selective Energy Transfer Catalysis: A Strategy to β -Chiral Phosphonate Antipodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 330-334.	13.8	39
48	A Chiral Pentafluorinated Isopropyl Group via Iodine(I)/(III) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6430-6434.	13.8	39
49	Exploring physicochemical space <i>via</i> a bioisostere of the trifluoromethyl and ethyl groups (BITE): attenuating lipophilicity in fluorinated analogues of Gilenya [®] for multiple sclerosis. <i>Chemical Communications</i> , 2018, 54, 12002-12005.	4.1	38
50	Fluorocyclisation via I(I)/I(III) catalysis: a concise route to fluorinated oxazolines. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1021-1027.	2.2	37
51	Contra- Δ Thermodynamic, Photocatalytic <i>E</i> \rightarrow <i>Z</i> Isomerization of Styrenyl Boron Species: Vectors to Facilitate Exploration of Two-Dimensional Chemical Space. <i>Angewandte Chemie</i> , 2018, 130, 3222-3226.	2.0	36
52	Harnessing the Maltodextrin Transport Mechanism for Targeted Bacterial Imaging: Structural Requirements for Improved <i>in vivo</i> Stability in Tracer Design. <i>ChemMedChem</i> , 2018, 13, 241-250.	3.2	36
53	Bioinspirierte radikalische Stetter-Reaktion: radikalische Umpolung, ermöglicht durch Ionenpaar-Photokatalyse. <i>Angewandte Chemie</i> , 2019, 131, 1221-1225.	2.0	36
54	A Janus cyclohexane ring. <i>Nature Chemistry</i> , 2015, 7, 467-468.	13.6	34

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55	A Novel Fluorinated Gold(I) N-Heterocyclic Carbene Complex: Exploiting Fluorine Stereoelectronic Effects To Control Molecular Topology. <i>Organometallics</i> , 2010, 29, 4424-4427.	2.3	33
56	Photocatalytic <i>E</i> → <i>Z</i> Isomerization of β -Ionyl Derivatives. <i>Organic Letters</i> , 2019, 21, 9677-9680.	4.6	33
57	Emulating Natural Product Conformation by Cooperative, Non-covalent Fluorine Interactions. <i>Chemistry - A European Journal</i> , 2017, 23, 6142-6149.	3.3	32
58	Trifluorinated Tetralins via I(I)/I(III)-Catalysed Ring Expansion: Programming Conformation by [CH ₂ CH ₂] ⁺ [CF ₂ CHF] Isosterism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13647-13651.	13.8	32
59	Quantitative Profiling of the Heavy-Atom Effect in BODIPY Dyes: Correlating Initial Rates, Atomic Numbers, and ¹ O Quantum Yields. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2170-2178.	2.4	31
60	Covalent Immobilization of (α)-Riboflavin on Polymer Functionalized Silica Particles: Application in the Photocatalytic <i>E</i> → <i>Z</i> Isomerization of Polarized Alkenes. <i>Chemistry - A European Journal</i> , 2018, 24, 4228-4233.	3.3	31
61	Fluorinated Analogues of the Histone Deacetylase Inhibitor Vorinostat (Zolinza): Validation of a Chiral Hybrid Bioisostere, BITE. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1336-1340.	2.8	30
62	Fluorine-Directed Glycosylation Enables the Stereocontrolled Synthesis of Selective SGLT2 Inhibitors for Type-2 Diabetes. <i>Chemistry - A European Journal</i> , 2018, 24, 2832-2836.	3.3	29
63	Stereospecific β -Glycosylation by Site-Selective Fluorination. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3814-3818.	13.8	29
64	Light-Enabled Enantiodivergence: Stereospecific Reduction of Activated Alkenes Using a Single Organocatalyst Enantiomer. <i>Organic Letters</i> , 2019, 21, 10164-10168.	4.6	29
65	Leveraging the n ⁺ π* Interaction in Alkene Isomerization by Selective Energy Transfer Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	29
66	A novel class of fluorinated cinchona alkaloids as surface modifiers for the enantioselective heterogeneous hydrogenation of β -ketoesters. <i>Journal of Molecular Catalysis A</i> , 2010, 327, 87-91.	4.8	28
67	Importance of Intermolecular Hydrogen Bonding for the Stereochemical Control of Allene-Enone (3+2) Annulations Catalyzed by a Bifunctional, Amino Acid Derived Phosphine Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2022-2027.	13.8	27
68	Regio- and Enantioselective Intermolecular Aminofluorination of Alkenes via Iodine(I)/Iodine(III) Catalysis**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
69	Fluorine-directed 1,2-trans glycosylation of rare sugars. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5534-5538.	2.8	26
70	Theoretical and X-ray Crystallographic Evidence of a Fluorine-Chelate <i>Gauche</i> Effect: An Addendum to Dunathan's Stereoelectronic Hypothesis. <i>Chemistry - A European Journal</i> , 2011, 17, 8850-8857.	3.3	25
71	Modulating NHC catalysis with fluorine. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2812-2820.	2.2	25
72	Structural diversity in imidazolidinone organocatalysts: a synchrotron and computational study. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o10-o14.	0.4	24

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73	The fluorine-NHC gauche effect: a structural and computational study. <i>Tetrahedron</i> , 2013, 69, 5647-5659.	1.9	24
74	Aromatic Interactions in Organocatalyst Design: Augmenting Selectivity Reversal in Iminium Ion Activation. <i>Chemistry - A European Journal</i> , 2015, 21, 10031-10038.	3.3	24
75	Enhancing glycan stability <i>via</i> site-selective fluorination: modulating substrate orientation by molecular design. <i>Chemical Science</i> , 2021, 12, 1286-1294.	7.4	24
76	Inverting Small Molecule-Protein Recognition by the Fluorine <i>Gauche</i> Effect: Selectivity Regulated by Multiple H ⁺ F Bioisosterism. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10990-10994.	13.8	23
77	Single Site Fluorination of the GM ₄ Ganglioside Epitope Upregulates Oligodendrocyte Differentiation. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1159-1165.	3.5	21
78	Stereocontrolled Synthesis of Fluorinated Isochromans via Iodine(I)/Iodine(III) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	21
79	The (Not So) Ephemeral Trifluoromethanide Anion. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11414-11415.	13.8	20
80	Stereocontrolled Synthesis of Tetrafluoropentanol: Multivicinal Fluorinated Alkane Units for Drug Discovery. <i>Organic Letters</i> , 2019, 21, 7741-7745.	4.6	20
81	Comparative Analysis of Fluorine-Directed Glycosylation Selectivity: Interrogating C2 [OH ⁺] Substitution in <i>Glucose</i> and <i>Galactose</i> . <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6983-6987.	2.4	19
82	Reengineering Chemical Glycosylation: Direct, Metal-Free Anomeric O-Arylation of Unactivated Carbohydrates. <i>Chemistry - A European Journal</i> , 2018, 24, 16266-16270.	3.3	19
83	The influence of electronic perturbations on the Sulfur-Fluorine Gauche Effect. <i>Journal of Fluorine Chemistry</i> , 2016, 182, 121-126.	1.7	18
84	Coumarins by Direct Annulation: <i>Borylacrylates</i> as Ambiphilic C ₃ Synthons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 685-689.	13.8	18
85	Adsorption and stability of chiral modifiers based on 1-(1-naphthyl)-ethylamine for Pt catalysed heterogeneous asymmetric hydrogenations. <i>Catalysis Science and Technology</i> , 2015, 5, 705-715.	4.1	17
86	Difluorination of <i>±</i> -(bromomethyl)styrenes <i>via</i> I(I)/I(III) catalysis: facile access to electrophilic linchpins for drug discovery. <i>Chemical Science</i> , 2021, 12, 6148-6152.	7.4	17
87	Geometric <i>E/Z</i> Isomerisation of Alkenyl Silanes by Selective Energy Transfer Catalysis: Stereodivergent Synthesis of Triarylethylenes via a Formal <i>anti</i> -Metallometallation. <i>Angewandte Chemie</i> , 2019, 131, 18792-18799.	2.0	16
88	Organocatalysis Intermediates as Platforms to Study Noncovalent Interactions: Integrating Fluorine Gauche Effects in Iminium Systems to Facilitate Acyclic Conformational Control. <i>Synlett</i> , 2016, 27, 1051-1055.	1.8	15
89	Validating the 1,2-Difluoro Motif As a Hybrid Bioisostere of CF ₃ and Et Using Matrix Metalloproteinases As Structural Probes. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6225-6237.	6.4	15
90	Enantiodivergent Prenylation via Deconjugative Isomerization. <i>ACS Catalysis</i> , 2021, 11, 11929-11937.	11.2	15

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91	Inversion externer asymmetrischer Induktion durch selektive Energietransferkatalyse: Strategie zu 1,2-chiralen Phosphonaten-Antipoden. <i>Angewandte Chemie</i> , 2020, 132, 338-342.	2.0	14
92	Illuminating <i>anti</i> -hydrozirconation: controlled geometric isomerization of an organometallic species. <i>Chemical Science</i> , 2021, 12, 10643-10648.	7.4	14
93	The Sulfur-Fluorine <i>Gauche</i> Effect in Coinage-Metal Complexes: Augmenting Conformational Equilibria by Complexation. <i>Organometallics</i> , 2016, 35, 3040-3044.	2.3	13
94	Stereocontrolled Synthesis of 2-Fluorinated <i>C</i> -Glycosides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3684-3687.	2.4	13
95	Chiral imidazolidinone and proline-derived surface modifiers for the Pt-catalysed asymmetric hydrogenation of activated ketones. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 335-345.	4.8	12
96	An I(I)/I(III) Catalysis Route to the Heptafluoroisopropyl Group: A Privileged Module in Contemporary Agrochemistry. <i>Synthesis</i> , 2021, 53, 4203-4212.	2.3	12
97	Medium-Ring Effects on the <i>Endo/Exo</i> Selectivity of the Organocatalytic Intramolecular Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 12058-12075.	3.2	11
98	Structural and Computational Analysis of 2-Halogeno-Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie</i> , 2019, 131, 13896-13900.	2.0	11
99	Stereospecific 1,2-Sialylation by Site-Selective Fluorination. <i>Angewandte Chemie</i> , 2019, 131, 3854-3858.	2.0	11
100	Enantioselektive Synthese von 3-Fluorchromanen durch Iod(I)/Iod(III)-Katalyse. <i>Angewandte Chemie</i> , 2020, 132, 15181-15187.	2.0	11
101	Synthese von trifluorierten Tetralinen durch I(I)/I(III)-katalysierte Ringexpansion: programmieren von Konformationen über [CH ₂ CH ₂] ↔ [CF ₂ CHF] Isosterismus. <i>Angewandte Chemie</i> , 2021, 133, 13760-13764.	2.0	11
102	Infrared Multiphoton Dissociation Spectroscopic Analysis of Noncovalent Interactions in Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5675-5680.	2.4	10
103	Flow Photocleavage for Automated Glycan Assembly (AGA). <i>Organic Process Research and Development</i> , 2020, 24, 2234-2239.	2.7	10
104	Contra-thermodynamic <i>E</i> ↔ <i>Z</i> isomerization of cinnamamides via selective energy transfer catalysis. <i>Tetrahedron</i> , 2020, 76, 131198.	1.9	10
105	Eine chirale pentafluorierte Isopropylgruppe durch Iod(I)/I(III)-Katalyse. <i>Angewandte Chemie</i> , 2021, 133, 6501-6506.	2.0	10
106	Synthesis of 18 ^F -Fluoro-2-deoxyisoscrobide 5-mononitrate and Assessment of Its in vivo Biodistribution as Determined by Dynamic Positron Emission Tomography (PET). <i>ChemMedChem</i> , 2015, 10, 1724-1732.	3.2	9
107	Total Chemical Syntheses of the GM ₃ and F-GM ₃ Ganglioside Epitopes and Comparative Pre-Clinical Evaluation for Non-Invasive Imaging of Oligodendrocyte Differentiation. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2129-2136.	3.5	9
108	Halogen-directed chemical sialylation: pseudo-stereodivergent access to marine ganglioside epitopes. <i>Chemical Science</i> , 2020, 11, 6527-6531.	7.4	9

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109	Willgerodt-Type Dichloro(aryl)-1,3-Iodanes: A Structural Study. <i>Synthesis</i> , 2019, 51, 4408-4416.	2.3	8
110	Inverting Small Molecule-Protein Recognition by the Fluorine Gauche Effect: Selectivity Regulated by Multiple H ⁺ F Bioisosterism. <i>Angewandte Chemie</i> , 2019, 131, 11106-11110.	2.0	8
111	Oligodendroglial glycolipids in (Re)myelination: implications for multiple sclerosis research. <i>Natural Product Reports</i> , 2021, 38, 890-904.	10.3	7
112	A Concise Synthesis of (S)-2-(Fluorodiphenylmethyl)pyrrolidine: A Novel Organocatalyst for the Stereoselective Epoxidation of 1,2-Unsaturated Aldehydes. <i>Synthesis</i> , 2010, 2010, 1394-1397.	2.3	6
113	Conformational control enabled by the fluorine gauche effect in a model of the 1 ² -AR agonist salbutamol (Ventolin [®] , Φ). <i>Journal of Fluorine Chemistry</i> , 2018, 210, 1-5.	1.7	6
114	Fluorohydration of alkynes via I(I)/I(III) catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1627-1635.	2.2	6
115	Leveraging the n ⁺ π* Interaction in Alkene Isomerization by Selective Energy Transfer Catalysis. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
116	Crystal Structures of Ribose: the Glassy Crystal Transformation. <i>Helvetica Chimica Acta</i> , 2012, 95, 1687-1693.	1.6	5
117	Delineating the physical organic profile of the 6-fluoro glycosyl donor. <i>Journal of Fluorine Chemistry</i> , 2015, 179, 96-101.	1.7	5
118	A Modular Synthesis of Fluorinated, Chiral Polar Lipids. <i>Synthesis</i> , 2011, 2011, 549-552.	2.3	4
119	Coumarins by Direct Annulation: 1,3-Borylacrylates as Ambiphilic C ₃ Synthons. <i>Angewandte Chemie</i> , 2021, 133, 695-699.	2.0	4
120	Regio- and Enantioselective Intermolecular Aminofluorination of Alkenes via Iodine(I)/Iodine(III) Catalysis. <i>Angewandte Chemie</i> , 0, , .	2.0	4
121	Conformational Analysis of Acyclic 1,2-Fluoro Sulfur Motifs. <i>Chemistry - A European Journal</i> , 2020, 26, 13704-13715.	3.3	3
122	Stereocontrolled Synthesis of Fluorinated Isochromans via Iodine(I)/Iodine(III) Catalysis. <i>Angewandte Chemie</i> , 0, , .	2.0	3
123	Steering Glycosylation with the Carbon-Fluorine Bond. <i>Synlett</i> , 2011, 2011, 1043-1046.	1.8	2
124	Happy 90th Birthday: Professor Dr. Jack David Dunitz FRS, the "Professor's Professor"™. <i>Helvetica Chimica Acta</i> , 2013, 96, 539-544.	1.6	2
125	Cooperative Activation Modes for Catalysis-Based Total Synthesis. <i>Trends in Chemistry</i> , 2020, 2, 959-961.	8.5	2
126	Swiss chemical society - syngenta symposium: frontiers in fluorine chemistry. <i>Chimia</i> , 2014, 68, 345.	0.6	2

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127	The Synthesis and Biological Evaluation of Novel Eunicellin Analogues. <i>Synlett</i> , 2004, 2004, 1434-1436.	1.8	1
128	Classic reaction re-engineered through molecular face recognition. <i>Nature</i> , 2018, 556, 438-439.	27.8	1
129	The 46th EUCHEM Conference on Stereochemistry (BÃ¼rgenstock Conference 2011), Brunnen, May 1â€™6, 2011. <i>Chimia</i> , 2011, 65, 612-615.	0.6	0
130	Frontispiece: Covalent Immobilization of (âˆ™)-Riboflavin on Polymer Functionalized Silica Particles: Application in the Photocatalytic E â†’Z Isomerization of Polarized Alkenes. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
131	Titelbild: Bioinspirierte radikalische Stetterâ€™Reaktion: radikalische Umpolung, ermÃ¶glicht durch Ionenpaarâ€™Photokatalyse (<i>Angew. Chem.</i> 4/2019). <i>Angewandte Chemie</i> , 2019, 131, 931-931.	2.0	0