

Armen Panossian

List of Publications by Year in descending order

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55
papers

2,116
citations

394421

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times ranked

1847
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphine~Phosphinite and Phosphine~Phosphite Ligands: Preparation and Applications in Asymmetric Catalysis. <i>Chemical Reviews</i> , 2011, 111, 2119-2176.	47.7	358
2	Trifluoromethyl Ethers and ~Thioethers as Tools for Medicinal Chemistry and Drug Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 941-951.	2.1	281
3	2-Phospha[3]ferrocenophanes with Planar Chirality: Synthesis and Use in Enantioselective Organocatalytic [3 + 2] Cyclizations. <i>Journal of the American Chemical Society</i> , 2008, 130, 14030-14031.	13.7	258
4	Recent advances in transition metal-catalyzed Csp²-monofluoro-, difluoro-, perfluoromethylation and trifluoromethylthiolation. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2476-2536.	2.2	236
5	Expanding the Scope of Enantioselective FerroPHANE~Promoted [3+2] Annulations with $\hat{\pm}, \hat{1}^2$ ~Unsaturated Ketones. <i>Chemistry - A European Journal</i> , 2010, 16, 1033-1045.	3.3	102
6	Synthesis of Chiral 2~Phospha[3]ferrocenophanes and their Behaviour as Organocatalysts in [3+2]~Cyclization Reactions. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1968-1976.	4.3	84
7	Use of Allenylphosphonates as New Substrates for Phosphane~Catalyzed [3+2] and [4+2] Annulations. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3826-3833.	2.4	60
8	Transition~Metal~Free Atropo~Selective Synthesis of Biaryl Compounds Based on Arynes. <i>Chemistry - A European Journal</i> , 2012, 18, 14232-14236.	3.3	49
9	Atroposelective synthesis of axially chiral P,S-ligands based on arynes. <i>Organic Chemistry Frontiers</i> , 2015, 2, 634-644.	4.5	43
10	Asymmetric $\hat{\pm}$ -Sulfonyl- and $\hat{\pm}$ -Phosphoryl-Oxylation of Ketones by a Chiral Hypervalent Iodine(III). <i>Journal of Organic Chemistry</i> , 2017, 82, 11877-11883.	3.2	41
11	In Situ Generated Fluorinated Iminium Salts for Difluoromethylation and Difluoroacetylation. <i>Organic Letters</i> , 2015, 17, 4510-4513.	4.6	39
12	A Major Advance in the Synthesis of Fluoroalkyl Pyrazoles: Tuneable Regioselectivity and Broad Substitution Patterns. <i>Chemistry - A European Journal</i> , 2016, 22, 11239-11244.	3.3	37
13	Highly modular P-OP ligands in asymmetric allylic substitution. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2281-2288.	1.8	28
14	Fluoroalkyl Amino Reagents for the Introduction of the Fluoro(trifluoromethoxy)methyl Group onto Arenes and Heterocycles. <i>Organic Letters</i> , 2017, 19, 4960-4963.	4.6	28
15	A Concise Atroposelective Formal Synthesis of (~)~Steganone. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6285-6294.	2.4	26
16	Multi-nuclear NMR of axially chiral biaryls in polypeptide orienting solvents: spectral discriminations and enantiorecognition mechanisms. <i>New Journal of Chemistry</i> , 2015, 39, 9504-9517.	2.8	25
17	Novel C1-symmetric dibenzophosphole ligands: application in hydroformylation reactions. <i>Tetrahedron</i> , 2014, 70, 1431-1436.	1.9	21
18	Access towards enantiopure $\hat{\pm}, \hat{1}^2$ -difluoromethyl alcohols by means of sulfoxides as traceless chiral auxiliaries. <i>Chemical Communications</i> , 2018, 54, 10423-10426.	4.1	21

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19	Modular Synthesis of Biaryl-Substituted Phosphine Ligands: Application in Microwave-Assisted Palladium-Catalyzed C–N Cross-Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6515-6525.	2.4	20
20	A new approach toward the synthesis of 2,4-bis(fluoroalkyl)-substituted quinoline derivatives using fluoroalkyl amino reagent chemistry. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1392-1415.	4.5	20
21	2,4-Bis(fluoroalkyl)quinoline-3-carboxylates as Tools for the Development of Potential Agrochemical Ingredients. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3792-3802.	2.4	20
22	Deprotonative Functionalization of the Difluoromethyl Group. <i>Organic Letters</i> , 2020, 22, 8741-8745.	4.6	20
23	When Chirality Meets σ -Buchwald-Type-Phosphines: Synthesis and Evaluation in Frustrated Lewis Pair-, Lewis Base- and Palladium-Promoted Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4545-4553.	2.4	19
24	Tri- and difluoromethoxylated N-based heterocycles – Synthesis and insecticidal activity of novel F3CO- and F2HCO-analogues of Imidacloprid and Thiacloprid. <i>Journal of Fluorine Chemistry</i> , 2017, 203, 155-165.	1.7	19
25	Atropo-diastereoselective coupling of aryllithiums and arynes – variations around the chiral auxiliary. <i>Tetrahedron</i> , 2016, 72, 5208-5220.	1.9	16
26	Fluoroalkyl Amino Reagents (FARs): A General Approach towards the Synthesis of Heterocyclic Compounds Bearing Emergent Fluorinated Substituents. <i>Molecules</i> , 2017, 22, 977.	3.8	16
27	Stereoselective synthesis of planar chiral 2,2-diarylsubstituted ferrocene derivatives as precursors for new 2-phospha[3]ferrocenophanes. <i>Journal of Organometallic Chemistry</i> , 2012, 716, 187-192.	1.8	15
28	Stereospecific Synthesis, Structural Characterisation and Resolution of 2-Phospha[3]ferrocenophane Derivatives – a New Chiral Scaffold. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3853-3862.	2.0	14
29	Access to Atropisomerically Enriched Biaryls by the Coupling of Aryllithiums with Arynes under Control by Homochiral Oxazolines. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 725-732.	2.4	13
30	Synthesis of Mono- and Bis(fluoroalkyl)pyrimidines from FARs, Fluorinated Acetoacetates, and Malononitrile Provides Easy Access to Novel High-Value Pyrimidine Scaffolds. <i>Chemistry - A European Journal</i> , 2018, 24, 1311-1316.	3.3	13
31	CF ₃ -substituted carbocations: underexploited intermediates with great potential in modern synthetic chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 343-378.	2.2	12
32	Study of Carbamoyl Fluoride: Synthesis, Properties and Applications. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	11
33	Stereoselectivity Switch in the Trapping of Polar Organometallics with Andersen's Reagent – Access to Highly Stereoenriched Transformable Biphenyls. <i>Journal of Organic Chemistry</i> , 2018, 83, 7751-7761.	3.2	10
34	Efficient asymmetric synthesis of aryl difluoromethyl sulfoxides and their use to access enantiopure \pm -difluoromethyl alcohols. <i>Tetrahedron</i> , 2019, 75, 3063-3079.	1.9	10
35	Electrophilic fluorosulfoxonium cations as hidden Brønsted acid catalysts in (n + 2) annulations of strained cycloalkanes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5289-5295.	4.5	10
36	Study of a Stable σ -Trifluoromethoxide Anion Solution – Arising from 2,4-Dinitro-Trifluoromethoxybenzene. <i>Chemistry - A European Journal</i> , 2021, 27, 15986-15991.	3.3	10

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37	Transition-Metal-Free Approach for the Direct Arylation of Thiophene: Experimental and Theoretical Investigations towards the (Het)-Aryne Route. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 547-556.	2.4	9
38	Synthesis of 3-Amino-5-fluoroalkylfurans by Intramolecular Cyclization. <i>Organic Letters</i> , 2021, 23, 4915-4919.	4.6	9
39	Recent synthetic methods towards the α -OCHF ₂ moiety. <i>Tetrahedron</i> , 2021, 99, 132458.	1.9	9
40	Chromium-Templated Benzannulation of (η -5-Cyclohexadienyl)Mn(CO) ₃ -Methoxy-Cr(CO) ₅ Carbenes. <i>Organometallics</i> , 2011, 30, 6778-6781.	2.3	8
41	Transition-Metal-Free Heterobiaryl Synthesis via Aryne Coupling. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5275-5284.	2.4	8
42	Transition-Metal-Free Synthesis of a Known Intermediate in the Formal Synthesis of α -Steganacin. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 497-503.	2.4	7
43	Direct Trifluoromethoxylation without OCF ₃ -Carrier through In Situ Generation of Fluorophosgene. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3139-3147.	2.4	7
44	Lithium/Element Exchange as an Efficient Tool for Accessing Atropo-enriched Biaryls via Arynes. <i>Chimia</i> , 2016, 70, 43.	0.6	6
45	Ferrocenyl-Substituted (η -5-Hydroxyalkylcyclohexadienyl)tricarbonylmanganese Complexes: Synthesis, Structural Determinations, and Formation of Carbenium Ions. <i>Organometallics</i> , 2011, 30, 5564-5567.	2.3	5
46	Control of axial chirality in absence of transition metals based on aryne. <i>Comptes Rendus Chimie</i> , 2017, 20, 682-692.	0.5	5
47	New synthetic access to 3-fluoroalkyl-5-pyrazolecarboxylates and carboxylic acids. <i>Journal of Fluorine Chemistry</i> , 2018, 214, 17-23.	1.7	5
48	Synthesis and Use of Trifluoromethylthiolated Ketenimines. <i>Chemistry - A European Journal</i> , 2020, 26, 14852-14855.	3.3	5
49	Aryl Fluoroalkyl Sulfoxides: Optical Stability and pK_a Measurement. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5019-5026.	2.4	5
50	A physico-chemical investigation of fluorine-enriched quinolines. <i>New Journal of Chemistry</i> , 2018, 42, 10036-10047.	2.8	4
51	The Winding Road towards an Atropo-enantioselective α -ARYNE Coupling TM . <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1971-1978.	2.4	4
52	SO ₂ F ₂ -Mediated N -Alkylation of Imino-Thiazolidinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 2012-2021.	3.2	4
53	An unexpected pentacarbonyl chromium complexation of a cyano group of the ABC core of cephalotaxine. <i>Journal of Organometallic Chemistry</i> , 2015, 776, 35-42.	1.8	3
54	Formation of synthetically relevant CF ₃ -substituted phenonium ions in superacid media. <i>RSC Advances</i> , 2021, 11, 25695-25699.	3.6	2

#	ARTICLE	IF	CITATIONS
55	Cover Feature: Study of Carbamoyl Fluoride: Synthesis, Properties and Applications (Chem. Eur. J.) Tj ETQq1 1 0.784314 rgBT ₁ /Overlo	3.3	1