Sergey V Ryabukhin

List of Publications by Citations

76 papers	1,019 citations	20 h-index	27 g-index
107 ext. papers	1,221 ext. citations	2.9 avg, IF	4.41 L-index

#	Paper	IF	Citations
76	Combinatorial Knoevenagel reactions. *ACS Combinatorial Science*, **2007**, 9, 1073-8		70
75	Recyclizations of 3-formylchromones with binucleophiles. *Tetrahedron*, **2012**, 68, 2743-2757	2.4	63
74	The Symbiotic Relationship Between Drug Discovery and Organic Chemistry. *Chemistry - A European Journal*, **2020**, 26, 1196-1237	4.8	60
73	Synthesis of quinolines from 3-formylchromone. *Journal of Organic Chemistry*, **2008**, 73, 6010-3	4.2	39
72	3-haloquinolines by Friedländer reaction of α-haloketones. *Journal of Organic Chemistry*, **2011**, 76, 5774-81	4.2	38
71	Organosilicon Compounds as Water Scavengers in Reactions of Carbonyl Compounds. *Synthesis*, **2009**, 2009, 3719-3743	2.9	32
70	CF3-substituted 1,3-dicarbonyl compounds in the Biginelli reaction promoted by chlorotrimethylsilane. *Journal of Fluorine Chemistry*, **2008**, 129, 625-631	2.1	28
69	Evolution of commercially available compounds for HTS. *Drug Discovery Today*, **2019**, 24, 390-402	8.8	27
68	Aminoheterocycles as synthons for combinatorial Biginelli reactions. *Molecular Diversity*, **2011**, 15, 189-95	3.1	26
67	Gram-Scale Synthesis of Amines Bearing a gem-Difluorocyclopropane Moiety. *Advanced Synthesis and Catalysis*, **2017**, 359, 3126-3136	5.6	25
66	Acyl pyruvates as synthons in the Biginelli reaction. *Tetrahedron Letters*, **2010**, 51, 4229-4232	2	25
65	Toward lead-oriented synthesis: one-pot version of Castagnoli condensation with nonactivated alicyclic anhydrides. *ACS Combinatorial Science*, **2014**, 16, 146-53	3.9	24
64	Dry HCl in parallel synthesis of fused pyrimidin-4-ones. *ACS Combinatorial Science*, **2008**, 10, 858-62		24
63	One-pot synthesis of 2,3-dihydro-1H-benzimidazoles. *Journal of Organic Chemistry*, **2007**, 72, 7417-9	4.2	24
62	Approach to the library of 3-hydroxy-1,5-dihydro-2H-pyrrol-2-ones through a three-component condensation. *ACS Combinatorial Science*, **2012**, 14, 631-5	3.9	23
61	A one-step fusion of 1,3-thiazine and pyrimidine cycles. *Organic Letters*, **2007**, 9, 4215-8	6.2	23
60	A synthesis of 5-hetaryl-3-(2-hydroxybenzoyl)pyrroles. *Tetrahedron*, **2008**, 64, 5933-5943	2.4	22

59	Beyond the Five and Six: Evaluation of Seven-Membered Cyclic Anhydrides in the Castagnoli-Cushman Reaction. *Organic Letters*, **2017**, 19, 130-133	6.2	21
58	Transition Metal-free gem-difluorocyclopropanation of Alkenes with CF3SiMe3/NaI System: a Recipe for Electron-deficient Substrates. *Advanced Synthesis and Catalysis*, **2018**, 360, 4104-4114	5.6	21
57	Approach to the library of fused pyridine-4-carboxylic acids by Combes-type reaction of acyl pyruvates and electron-rich amino heterocycles. *ACS Combinatorial Science*, **2010**, 12, 510-7		20
56	Scalable Synthesis of Biologically Relevant Spirocyclic Pyrrolidines. *ACS Omega*, **2019**, 4, 7498-7515	3.9	18
55	A facile synthesis of unsymmetrical ureas. *Tetrahedron*, **2011**, 67, 3619-3623	2.4	18
54	Synthesis of 1-hetaryl-2,2-difluorocyclopropane-derived building blocks: The case of pyrazoles. *Journal of Fluorine Chemistry*, **2019**, 217, 80-89	2.1	18
53	Chlorotrimethylsilane Mediated Synthesis of 5-(2-Hydroxybenzoyl)pyrimidines from 3-Formylchromones. *Heterocycles*, **2008**, 75, 583	0.8	17
52	Synthesis of thieno[2,3-d]pyrimidin-2-ylmethanamine combinatorial library with four diversity points. *ACS Combinatorial Science*, **2007**, 9, 661-7		16
51	Synthesis of Fused Imidazoles and Benzothiazoles from (Hetero)Aromatic ortho-Diamines or ortho-Aminothiophenol and Aldehydes Promoted by Chlorotrimethylsilane. *Synthesis*, **2006**, 2006, 3715-3726	2.9	15
50	Last of the gem-Difluorocycloalkanes: Synthesis and Characterization of 2,2-Difluorocyclobutyl-Substituted Building Blocks. *Journal of Organic Chemistry*, **2019**, 84, 8487-8496	4.2	14
49	High throughput synthesis of extended pyrazolo[3,4-d]dihydropyrimidines. *ACS Combinatorial Science*, **2012**, 14, 465-70	3.9	14
48	N-Substituted Ureas and Thioureas in Biginelli Reaction Promoted by Chlorotrimethylsilane: Convenient Synthesis of N1-Alkyl-, N1-Aryl-, and N1,N3-Dialkyl-3,4-Dihydropyrimidin-2(1H)-(thi)ones. *Synthesis*, **2007**, 2007, 417-427	2.9	14
47	Multigram Synthesis of C4/C5 3,3-Difluorocyclobutyl-Substituted Building Blocks. *Synthesis*, **2018**, 50, 4949-4957	2.9	13
46	Facile One-Pot Synthesis of 1,2,3,4-Tetrahydroquinoline-3-carboxylic Acids and Their Heterocyclic Analogs. *Synthetic Communications*, **2008**, 38, 3032-3043	1.7	12
45	N-Difluorocyclopropyl-Substituted Pyrazoles: Synthesis and Reactivity. *European Journal of Organic Chemistry*, **2019**, 2019, 4311-4319	3.2	11
44	Semi-Industrial Fluorination of β-Keto Esters with SF4: Safety vs Efficacy. *Synlett*, **2020**, 31, 565-574	2.2	11
43	Synthesis of gem-difluorocyclopentane/hexane building blocks. *Journal of Fluorine Chemistry*, **2017**, 199, 60-66	2.1	10
42	Application of chlorotrimethylsilane in Pictet–Spengler reaction. *Monatshefte Für Chemie*, **2012**, 143, 1507-1517	1.4	10

41	Approach to 3-(Cyclo)alkylpiperidines through sp3–sp3 via sp2–sp3 Coupling. *Synlett*, **2015**, 26, 408-411	2.2	9
40	Chlorotrimethylsilane-Mediated Synthesis of Functionalized Fused Pyridines: Reaction of 3-Formylchromones with Electron-Rich Aminoheterocycles. *Synthesis*, **2007**, 2007, 1861-1871	2.9	9
39	Chlorotrimethylsilane-Mediated Friedländer Synthesis of Polysubstituted Quinolines. *Synthesis*, **2007**, 2007, 1214-1224	2.9	9
38	Heterocyclic Ortho-Aminocarbonyl Compounds in the Friedländer Reaction Promoted by Chlorotrimethylsilane. *Heterocycles*, **2007**, 71, 2397	0.8	8
37	Expanding the chemical space of sp3-enriched 4,5-disubstituted oxazoles via synthesis of novel building blocks. *Chemistry of Heterocyclic Compounds*, **2019**, 55, 421-434	1.4	7
36	Synthesis of pyrazolo[3,4-d]-4,5-dihydropyrimidin-6-ones. *Tetrahedron Letters*, **2014**, 55, 1846-1847	2	7
35	2-Benzothiazolemethanol as Precursor of 2-Aryl-1-(2-benzothiazolyl)-1-ethanones. *Synthetic Communications*, **2004**, 34, 1483-1487	1.7	7
34	An approach to the synthesis of 3-substituted piperidines bearing partially fluorinated alkyl groups. *Journal of Fluorine Chemistry*, **2019**, 224, 61-66	2.1	6
33	Scalable and Straightforward Synthesis of All Isomeric (Cyclo)alkylpiperidines. *European Journal of Organic Chemistry*, **2019**, 2019, 3636-3648	3.2	6
32	Electrochemical Scaled-up Synthesis of Cyclic Enecarbamates as Starting Materials for Medicinal Chemistry Relevant Building Bocks. *Advanced Synthesis and Catalysis*, **2020**, 362, 3229-3242	5.6	6
31	A Facile Synthesis of Imidazo[1,5-b]pyridazines from 3-Formylchromones. *Heterocycles*, **2008**, 75, 1765	0.8	6
30	Catalytic Hydrogenation of Substituted Quinolines on Co–Graphene Composites. *European Journal of Organic Chemistry*, **2021**, 2021, 6616	3.2	6
29	Protecting Group Free Synthesis of Carboxyl-substituted Dihydropyrimidines Through Biginelli Reaction. *Journal of Heterocyclic Chemistry*, **2013**, 50, 1299-1303	1.9	5
28	Chlorotrimethylsilane-Mediated Synthesis of Functionalized 2-(2-Hydroxybenzoyl)pyrido[1,2-a]benzimidazoles. *Synthesis*, **2007**, 2007, 3155-3162	2.9	5
27	In-situ formation of NixB/MIL-101(Cr) and Pd/MIL-101(Cr) composites for catalytic hydrogenation of quinoline. *Inorganic Chemistry Communication*, **2020**, 121, 108203	3.1	5
26	Synthesis of trans-disubstituted pyrazolylcyclopropane building blocks. *Monatshefte Für Chemie*, **2016**, 147, 1629-1636	1.4	5
25	A conformationally restricted GABA analogue based on octahydro-1H-cyclopenta[b]pyridine scaffold. *Amino Acids*, **2019**, 51, 255-261	3.5	5
24	A Close-up Look at the Chemical Space of Commercially Available Building Blocks for Medicinal Chemistry.. *Journal of Chemical Information and Modeling*, **2021**,	6.1	5

23	Synthesis of three-dimensional fused and spirocyclic oxygen-containing cyclobutanone derivatives. *Tetrahedron Letters*, **2014**, 55, 7240-7242	2	4
22	Combinatorial synthesis of chemical building blocks 1. Azomethines. *Molecular Diversity*, **2012**, 16, 625-37	3.1	4
21	3-Formylchromones in Guareschi Synthesis of 5-(2-hydroxybenzoyl)-2-pyridones. *Synlett*, **2004**, 2004, 2287-2290	2.2	4
20	Composites Based on Nanodispersed Nickel, Graphene-Like Carbon, and Aerosil for Catalytic Hydrogenation of Furfural and Quinoline. *Theoretical and Experimental Chemistry*, **2020**, 56, 261-267	1.3	4
19	Fluoral Hydrate: A Perspective Substrate for the Castagnoli-Cushman Reaction. *ACS Omega*, **2020**, 5, 20932-20942	3.9	4
18	Chlorotrimethylsilane-Promoted Condensation of Ketones and Aminoazoles. *Journal of Heterocyclic Chemistry*, **2012**, 49, 1147-1150	1.9	3
17	A One-Pot Fusion of Nitrogen-Containing Heterocycles. *Synthesis*, **2007**, 2007, 2872-2886	2.9	3
16	SynthI: A New Open-Source Tool for Synthon-Based Library Design. *Journal of Chemical Information and Modeling*, **2021**,	6.1	3
15	Modern Approaches to the Creation of Immobilized Metal-Complex Catalysts for Hydrogenation, Alkene Metathesis, and Cross-Coupling Processes: A Review. *Theoretical and Experimental Chemistry*, **2020**, 56, 283-308	1.3	3
14	Synthesis of Pyrazolo[3,4-d]-4,5-dihydropyrimidines through [5+1] Cyclocondensation. *Synlett*, **2013**, 24, 2675-2678	2.2	2
13	A One-Pot, Three-Step Synthesis of α-Aminophosphonic Acids. *Synthesis*, **2014**, 46, 2079-2084	2.9	2
12	Practical Synthetic Method for Functionalized 1-Methyl-3/5-(trifluoromethyl)-1H-pyrazoles. *Organic Process Research and Development*, **2020**, 24, 2619-2632	3.9	2
11	Cu-Catalyzed Pyridine Synthesis via Oxidative Annulation of Cyclic Ketones with Propargylamine. *Journal of Organic Chemistry*, **2021**, 86, 7315-7325	4.2	2
10	Selective α-Methylation of Ketones. *Journal of Organic Chemistry*, **2021**, 86, 7333-7346	4.2	2
9	Third Generation Buchwald Precatalysts with XPhos and RuPhos: Multigram Scale Synthesis, Solvent-Dependent Isomerization of XPhos Pd G3 and Quality Control by H- and P-NMR Spectroscopy. *Molecules*, **2021**, 26,	4.8	2
8	An Approach to 1,1-Disubstituted Pyrazolylcyclopropane Building Blocks. *SynOpen*, **2017**, 01, 0084-0090	0.7	1
7	One-pot synthesis of α-imidazolylpropionamides. *Tetrahedron Letters*, **2008**, 49, 3997-4002	2	1
6	[3-(Dimethylamino)-2-(trifluoromethyl)prop-2-en-1-ylidene]dimethylazanium hexafluorophosphate – efficient reagent for the formation of trifluoromethyl-substituted azaheterocycles (microreview). *Chemistry of Heterocyclic Compounds*, **2020**, 56, 1408-1410	1.4	1

5	Synthesis of spirocyclic pyrrolidines (microreview). *Chemistry of Heterocyclic Compounds*, **2020**, 56, 1411-1413	1.4	1
4	Modelling of an autonomous Nav1.5 channel system as a part of in silico pharmacology study. *Journal of Molecular Modeling*, **2021**, 27, 182	2	1
3	Efficient Route for the Synthesis of Diverse Heteroannelated 5-Cyanopyridines. *Synthesis*, **2021**, 53, 2133-2141	2.9	1
2	Formation of 10/12/14-Membered Rings is Favored over 5/6/7-Membered. An Unexpected Result from Oxazole Chemistry. *European Journal of Organic Chemistry*, **2019**, 2019, 4962-4967	3.2	0
1	Catalysis and Multi-Component Reactions. *Advances in Experimental Medicine and Biology*, **2011**, 1-29	3.6	