Sergei G Zlotin

List of Publications by Citations

220 papers	2,954 citations	29 h-index	45 g-index
277 ext. papers	3,398 ext. citations	2.6 avg, IF	5.52 L-index

#	Paper	IF	Citations
220	Organic and hybrid molecular systems. *Mendeleev Communications*, **2015**, 25, 75-82	1.9	163
219	A novel (S)-proline-modified task-specific chiral ionic liquid□n amphiphilic recoverable catalyst for direct asymmetric aldol reactions in water. *Tetrahedron Letters*, **2008**, 49, 1212-1216	2	117
218	Organocatalysis of asymmetric aldol reaction. Catalysts and reagents. *Russian Chemical Reviews*, **2009**, 78, 737-784	6.8	96
217	Challenges in the development of organic and hybrid molecular systems. *Mendeleev Communications*, **2016**, 26, 365-374	1.9	86
216	Stereoselective reactions of nitro compounds in the synthesis of natural compound analogs and active pharmaceutical ingredients. *Tetrahedron*, **2016**, 72, 6191-6281	2.4	85
215	Organic and hybrid systems: from science to practice. *Mendeleev Communications*, **2017**, 27, 425-438	1.9	79
214	Nazarov reaction: current trends and recent advances in the synthesis of natural compounds and their analogs. *Organic and Biomolecular Chemistry*, **2017**, 15, 8245-8269	3.9	75
213	Recent advances in the asymmetric synthesis of pharmacology-relevant nitrogen heterocycles via stereoselective aza-Michael reactions. *Organic and Biomolecular Chemistry*, **2019**, 17, 3670-3708	3.9	75
212	A new (S)-prolinamide modified by an ionic liquid moiety□ high performance recoverable catalyst for asymmetric aldol reactions in aqueous media. *Tetrahedron*, **2010**, 66, 513-518	2.4	65
211	Prospective Symbiosis of Green Chemistry and Energetic Materials. *ChemSusChem*, **2017**, 10, 3914-3946	8.3	62
210	O-TMS-□diphenyl-(S)-prolinol Modified with an Ionic Liquid Moiety: A Recoverable Organocatalyst for the Asymmetric Michael Reaction between □Enals and Dialkyl Malonates. *European Journal of Organic Chemistry*, **2009**, 2009, 5134-5137	3.2	61
209	Novel approaches to pharmacology-oriented and energy rich organic nitrogen□xygen systems. *Mendeleev Communications*, **2015**, 25, 399-409	1.9	60
208	Hydroxy-□amino acids modified by ionic liquid moieties: recoverable organocatalysts for asymmetric aldol reactions in the presence of water. *Tetrahedron*, **2009**, 65, 1366-1372	2.4	60
207	Chiral Ionic Liquids Bearing O-Silylated □Diphenyl (S)- or (R)-Prolinol Units: Recoverable Organocatalysts for Asymmetric Michael Addition of Nitroalkanes to □Enals. *European Journal of Organic Chemistry*, **2010**, 2010, 2927-2933	3.2	58
206	Palladium-containing hypercrosslinked polystyrene as an easy to prepare catalyst for Suzuki reaction in water and organic solvents. *Reactive and Functional Polymers*, **2009**, 69, 755-758	4.6	52
205	□Diarylprolinol-derived chiral ionic liquids: recoverable organocatalysts for the domino reaction between □enals and N-protected hydroxylamines. *Tetrahedron: Asymmetry*, **2010**, 21, 2659-2670		49
204	Tertiary Amine-Derived Ionic Liquid-Supported Squaramide as a Recyclable Organocatalyst for Noncovalent □n Water□Catalysis. *ACS Catalysis*, **2017**, 7, 2981-2989	13.1	48

203	Organocatalytic Michael and Friedel□Crafts reactions in enantioselective synthesis of biologically active compounds. *Russian Chemical Reviews*, **2011**, 80, 1067-1113	6.8	48
202	Pot, atom and step economic (PASE) synthesis of 5-isoxazolyl-5H-chromeno[2,3-b]pyridine scaffold. *Mendeleev Communications*, **2015**, 25, 424-426	1.9	47
201	Chiral ionic liquid/ESI-MS methodology as an efficient tool for the study of transformations of supported organocatalysts: deactivation pathways of J□gensen-Hayashi-type catalysts in asymmetric Michael reactions. *Chemistry - A European Journal*, **2011**, 17, 6109-17	4.8	45
200	Recent advances in synthesis of organic nitrogen□oxygen systems for medicine and materials science. *Mendeleev Communications*, **2017**, 27, 535-546	1.9	41
199	The use of new carboranylphosphite ligands in the asymmetric Rh-catalyzed hydrogenation. *Catalysis Communications*, **2010**, 11, 419-421	3.2	35
198	Ionic liquids as substrate-specific recoverable solvents and catalysts of regio-, stereo- and enantioselective organic reactions. *Mendeleev Communications*, **2010**, 20, 63-71	1.9	35
197	(S)-Threonine/□(S)-diphenylvalinol-derived chiral ionic liquid: an immobilized organocatalyst for asymmetric syn-aldol reactions. *Tetrahedron*, **2011**, 67, 1948-1954	2.4	34
196	Reactions of carbon acids and 1,3-dipoles in the presence of ionic liquids. *Russian Chemical Reviews*, **2010**, 79, 543-583	6.8	34
195	Simple Ionic Liquid Supported C2-Symmetric Bisprolinamides as Recoverable Organocatalysts for the Asymmetric Aldol Reaction in the Presence of Water. *European Journal of Organic Chemistry*, **2012**, 2012, 7129-7134	3.2	33
194	The (S)-Proline/Polyelectrolyte System: An Efficient, Heterogeneous, Reusable Catalyst for Direct Asymmetric Aldol Reactions. *European Journal of Organic Chemistry*, **2006**, 2006, 2000-2004	3.2	33
193	Synthetic utilization of polynitroaromatic compounds. 1. S-derivatization of 1-substituted 2,4,6-trinitrobenzenes with thiols. *Journal of Organic Chemistry*, **2000**, 65, 8430-8	4.2	33
192	Alkylammonium and Alkylimidazolium Perhaloborates, Phosphates, and Aluminates as Catalysts in the Biginelli Reaction. *Russian Journal of Organic Chemistry*, **2005**, 41, 512-516	0.7	31
191	Asymmetric aldol condensation in an ionic liquid-water system catalyzed by (S)-prolinamide derivatives.. *Russian Chemical Bulletin*, **2008**, 57, 591-594	1.7	27
190	C2-Symmetric diamines and their derivatives as promising organocatalysts for asymmetric synthesis. *Russian Chemical Reviews*, **2015**, 84, 1077-1099	6.8	26
189	(1R,2R)-Bis[(S)-prolinamido]cyclohexane Modified with Ionic Groups: The First C2-Symmetric Immobilized Organocatalyst for Asymmetric Aldol Reactions in Aqueous Media. *European Journal of Organic Chemistry*, **2011**, 2011, 6128-6133	3.2	26
188	Tetraalkylammonium and 1,3-Dialkylimidazolium Salts with Fluorinated Anions as Recoverable Phase-Transfer Catalysts in Solid Base-Promoted Cross-Aldol Condensations. *European Journal of Organic Chemistry*, **2005**, 2005, 2822-2827	3.2	26
187	The use of a new carboranylamidophosphite ligand in the asymmetric Pd-catalysed allylic alkylation in organic solvents and supercritical carbon dioxide. *Journal of Organometallic Chemistry*, **2009**, 694, 3047-3049	2.3	23
186	(1,2-Diaminoethane-1,2-diyl)bis(N-methylpyridinium) Salts as a Prospective Platform for Designing Recyclable Prolinamide-Based Organocatalysts. *Journal of Organic Chemistry*, **2015**, 80, 9570-7	4.2	22

185	Chiral Primary Amine Tagged to Ionic Group as Reusable Organocatalyst for Asymmetric Michael Reactions of C-Nucleophiles with □Unsaturated Ketones. *Advanced Synthesis and Catalysis*, **2012**, 354, 3078-3086	5.6	22
184	Asymmetric organocatalysis: from proline to highly efficient immobilized organocatalysts. *Russian Chemical Bulletin*, **2012**, 61, 1313-1320	1.7	21
183	Synthetic utilization of polynitroaromatic compounds. 2. Synthesis Of 4,6-dinitro-1,2-benzisothiazol-3-ones and 4,6-dinitro-1, 2-benzisothiazoles from 2-benzylthio-4,6-dinitrobenzamides. *Journal of Organic Chemistry*, **2000**, 65, 8439-43	4.2	21
182	Asymmetric catalytic synthesis of functionalized tetrahydroquinolines in supercritical fluids. *Journal of Supercritical Fluids*, **2016**, 109, 35-42	4.2	20
181	Stereodivergent Michael addition of diphenylphosphite to □itroalkenes in the presence of squaramide-derived tertiary amines: an enantioselective organocatalytic reaction in supercritical carbon dioxide. *Green Chemistry*, **2014**, 16, 1521	10	20
180	Synthesis of chiral amino acid derivatives in supercritical carbon dioxide using Rh-PipPhos catalyst. *Journal of Supercritical Fluids*, **2009**, 50, 118-120	4.2	20
179	Supercritical fluids in chemistry. *Russian Chemical Reviews*, **2020**, 89, 1337-1427	6.8	19
178	The progress in the chemistry of N-acyliminium ions and their use in stereoselective organic synthesis. *Russian Chemical Reviews*, **2017**, 86, 1-17	6.8	18
177	Enantioselective addition of carbon acids to □itroalkenes: the first asymmetric aminocatalytic reaction in liquefied carbon dioxide. *Tetrahedron Letters*, **2012**, 53, 3502-3505	2	18
176	Variation in the regioselectivity of levulinic acid bromination in ionic liquids. *Tetrahedron Letters*, **2010**, 51, 545-547	2	18
175	Ionic liquid supported 4-HO-Pro-Val derived organocatalysts for asymmetric aldol reactions in the presence of water. *Mendeleev Communications*, **2016**, 26, 388-390	1.9	18
174	2-Hydroxy-3-[(S)-prolinamido]pinanes as novel bifunctional organocatalysts for asymmetric aldol reactions in aqueous media. *Tetrahedron: Asymmetry*, **2011**, 22, 1320-1324		17
173	Ionic polymer-supported O-trimethylsilyl-□diphenyl-(S)-prolinols as recoverable organocatalysts for the asymmetric Michael reactions of carbon acids with □enals. *Mendeleev Communications*, **2011**, 21, 146-148	1.9	17
172	The Suzuki□Miyaura cross-coupling of bromo- and chloroarenes with arylboronic acids in supercritical carbon dioxide. *Mendeleev Communications*, **2010**, 20, 140-142	1.9	17
171	Recoverable Phase-Transfer Catalysts with Fluorinated Anions: Generation and Reactions of Dichlorocarbene and CCl3 Anion in the Heterogeneous System KOH(s)/CHCl3/nBu4NPF6. *European Journal of Organic Chemistry*, **2008**, 2008, 1777-1782	3.2	17
170	Supercritical Antisolvent Processing of Nitrocellulose: Downscaling to Nanosize, Reducing Friction Sensitivity and Introducing Burning Rate Catalyst. *Nanomaterials*, **2019**, 9,	5.4	16
169	C-Symmetric pyrrolidine-derived squaramides as recyclable organocatalysts for asymmetric Michael reactions. *Organic and Biomolecular Chemistry*, **2016**, 14, 9751-9759	3.9	15
168	Asymmetric aldol reactions in ketone/ketone systems catalyzed by ionic liquid-supported C2-symmetrical organocatalyst. *Mendeleev Communications*, **2015**, 25, 168-170	1.9	15

167	Advanced energetic materials: novel strategies and versatile applications. *Mendeleev Communications*, **2021**, 31, 731-749	1.9	14
166	Catalytic Asymmetric Aza-Diels-Alder Reaction: Pivotal Milestones and Recent Applications to Synthesis of Nitrogen-Containing Heterocycles. *Advanced Synthesis and Catalysis*, **2021**, 363, 1466-1526	5.6	14
165	[1,4]Dithiino[2,3-c:5,6-c□]bis[1,2,5]oxadiazole di-N-oxide: synthesis and oxidation to mono- and bis-S-oxides. *Mendeleev Communications*, **2015**, 25, 339-340	1.9	13
164	Prolinamide-Derived Ionic-Liquid-Supported Organocatalyst for Asymmetric Mono- and Bis-Aldol Reactions in the Presence of Water. *European Journal of Organic Chemistry*, **2015**, 2015, 5649-5654	3.2	13
163	Green asymmetric synthesis of tetrahydroquinolines in carbon dioxide medium promoted by lipophilic bifunctional tertiary amine □squaramide organocatalysts. *Tetrahedron*, **2018**, 74, 157-164	2.4	13
162	Primary Amine Attached to an N-(Carboxyalkyl)imidazolium Cation: A Recyclable Organocatalyst for the Asymmetric Michael Reaction. *European Journal of Organic Chemistry*, **2014**, 2014, 3808-3813	3.2	12
161	1(R),2(R)-Bis[(S)-prolinamido]cyclohexane/[bmim][BF4] ionic liquid as an efficient catalytic system for direct asymmetric aldol reactions. *Mendeleev Communications*, **2007**, 17, 277-278	1.9	12
160	One-step solvent-free synthesis of fluoroalkyl-substituted 4-hydroxy-2-oxo(thioxo)hexahydropyrimidines in the presence of 1-butyl-3-methylimidazolium tetrafluoroborate. *Russian Journal of Organic Chemistry*, **2006**, 42, 1392-1395	0.7	12
159	Short and efficient synthesis of 1-(2-oxido-1,2,5-oxadiazol-3-yl)alkyl nitrates by unconventional nitrooxylation of 3-alkyl-1,2,5-oxadiazole 2-oxides. *Tetrahedron Letters*, **2016**, 57, 4027-4030	2	12
158	C-Symmetric Chiral Squaramide, Recyclable Organocatalyst for Asymmetric Michael Reactions. *Journal of Organic Chemistry*, **2019**, 84, 4304-4311	4.2	11
157	Green asymmetric synthesis of Warfarin and Coumachlor in pure water catalyzed by quinoline-derived 1,2-diamines. *Green Chemistry*, **2018**, 20, 754-759	10	11
156	Ionic Liquid Organocatalysts **2013**, 617-650		11
155	Nitration of glycoluril derivatives in liquid carbon dioxide. *Mendeleev Communications*, **2015**, 25, 15-16	1.9	11
154	N-Pyrrolidine-2-ylmethyl)-2-hydroxy-3-aminopinanes as novel organocatalysts for asymmetric conjugate additions of ketones to □nitroalkenes. *Tetrahedron: Asymmetry*, **2013**, 24, 776-779		11
153	Asymmetric Michael addition of aldehydes to maleimides in primary amine-based aqueous ionic liquid-supported recyclable catalytic system. *Mendeleev Communications*, **2017**, 27, 473-475	1.9	10
152	Efficient syntheses of C20-carotene and crocetin (descrocetin) esters promoted by an acidic ionic liquid. *Tetrahedron Letters*, **2012**, 53, 4971-4973	2	10
151	Asymmetric allylic alkylation in supercritical carbon dioxide using P*-chiral diamidophosphite ligands. *Mendeleev Communications*, **2010**, 20, 143-144	1.9	10
150	Bis(tetrazolyl)benzenes as ligands in the Suzuki reaction: Promoters or inhibitors?. *Russian Chemical Bulletin*, **2006**, 55, 118-122	1.7	10

149	Cross-condensation of derivatives of cyanoacetic acid and carbonyl compounds. 2. One-pot synthesis of substituted 2-amino-7-methyl-5-oxo-4,5-dihydropyrano[4,3-b]pyrans in ethanol and ionic liquid [bmim][PF6]. *Russian Chemical Bulletin*, **2004**, 53, 573-579	1.7	10
148	Sustainable Synthesis of Polynitroesters in the Freon Medium and their in Vitro Evaluation as Potential Nitric Oxide Donors. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2535-2540	8.3	9
147	Asymmetric synthesis of 3-prenyl-substituted pyrrolidin-2-ones. *Mendeleev Communications*, **2016**, 26, 471-473	1.9	9
146	Ionic Liquids□Advanced Reaction Media for Organic Synthesis. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 1205-1216	1	9
145	Pd-catalyzed allylic amination in supercritical carbon dioxide: Synthesis of carborane-containing terpenoids. *Journal of Supercritical Fluids*, **2010**, 54, 218-221	4.2	9
144	Alkynylisothiazoles. *Russian Chemical Bulletin*, **1998**, 47, 519-523	1.7	9
143	Synthesis of □unsaturated esters from dialkoxyphosphoryl esters and aldehydes in the ionic liquid [bmim][PF6]. *Mendeleev Communications*, **2002**, 12, 176-177	1.9	9
142	Reaction of aromatic aldehydes with □dicarbonyl compounds in a catalytic system: Piperidinium acetate-1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid. *Russian Chemical Bulletin*, **2005**, 54, 1233-1238	1.7	9
141	Alkylation of malonic and acetoacetic esters in an ionic liquid. *Mendeleev Communications*, **2002**, 12, 57-58	1.9	9
140	Synthesis of novel tridentate pyrazole□bipyridine ligands for Co-complexes as redox-couples in dye-sensitized solar cells. *Tetrahedron*, **2015**, 71, 8551-8556	2.4	8
139	Synthesis of nitric acid esters from alcohols in a dinitrogen pentoxide/carbon dioxide liquid system. *Mendeleev Communications*, **2012**, 22, 67-69	1.9	8
138	Carane amino alcohols as organocatalysts in asymmetric aldol reaction of isatin with acetone. *Russian Chemical Bulletin*, **2017**, 66, 293-296	1.7	8
137	Safe and Convenient Synthesis of Primary N-Nitramines in the Freon Media. *Synthesis*, **2017**, 49, 1103-1108	2.8	8
136	Regioselective palladium-catalysed prenylation of CH acids in the presence of diamidophosphite ligands and potassium carbonate. *Mendeleev Communications*, **2009**, 19, 103-105	1.9	8
135	Cross-coupling of polychlorobenzenes with phenylboronic acid in the presence of [Pd]-imidazolium salts as catalytic systems. *Russian Chemical Bulletin*, **2007**, 56, 1467-1469	1.7	8
134	Synthesis of 2,3-Dihydrobenzothiazol-1,1-dioxide and 2,3-Dihydro-1,4-benzothiazin-3-one Nitroderivatives from 2,4-Di- and 2,4,6-Trinitrobenzamides. *Synthesis*, **2001**, 2001, 0300-0304	2.9	8
133	Selective Synthesis of 1,2-Benzisothiazol-3-one-1-Oxide Nitro Derivatives. *Synthesis*, **2001**, 2001, 1659-1664	2.8	8
132	Stereoselective Synthesis of Tetrahydroquinolines via Asymmetric Domino Reaction Catalyzed by a Recyclable Ionic-Liquid-Supported Bifunctional Tertiary Amine. *European Journal of Organic Chemistry*, **2018**, 2018, 7000-7008	3.2	8

131	[1,2,5]Oxadiazolo[3,4-d]pyridazine 1,5,6-trioxides: efficient synthesis via the reaction of 3,4-bis(hydroxyimino)methyl)-1,2,5-oxadiazole 2-oxides with a mixture of concentrated nitric and trifluoroacetic acids and structural characterization. *Tetrahedron Letters*, **2018**, 59, 3143-3146	2	8
130	Conjugate Addition of Carbon Acids to β,γ-Unsaturated α-Keto Esters: Product Tautomerism and Applications for Asymmetric Synthesis of Benzo[a]phenazin-5-ol Derivatives. *Journal of Organic Chemistry*, **2019**, 84, 13824-13831	4.2	7
129	Continuous nitration of alcohols in a Freon flow. *Reaction Chemistry and Engineering*, **2019**, 4, 1303-1308	4.9	7
128	Bis[1,2,5]oxadiazolo[3,4-c:3′,4′-e]pyridazine 4,5-dioxide as a synthetic equivalent of 4,4′-dinitroso-3,3′-bifurazan. *Mendeleev Communications*, **2017**, 27, 448-450	1.9	7
127	Acidic ionic liquid-catalyzed homologation of the polyene chain in β,γ-enals (polyenals). *Tetrahedron*, **2011**, 67, 173-178	2.4	7
126	Palladium-catalyzed reaction of bromine- and iodine-containing isothiazoles with olefins. *Russian Chemical Bulletin*, **1998**, 47, 517-519	1.7	7
125	Chemical functionalisation of polychloroarenes. *Russian Chemical Reviews*, **2007**, 76, 885-916	6.8	7
124	Synthetic Utilization of Polynitro Aromatic Compounds. 5. Multi-Centered Reactivity Pattern in Reactions of 4,6-Dinitro-1,2-benzisothiazoles and -isothiazol-3(2H)-ones with C-, N-, O-, S-, and F-Nucleophiles. *Heterocycles*, **2006**, 68, 2483	0.8	7
123	Reactions of α-dimethylaminoacrolein aminal and 3-dimethylamino-1,1,3-trimethoxypropane with alkylidenemalononitriles. *Mendeleev Communications*, **2006**, 16, 326-327	1.9	7
122	Cross-coupling of polychloroarenes with phenylboronic acid and organozinc compounds catalyzed by palladium complexes. *Russian Chemical Bulletin*, **2005**, 54, 970-974	1.7	7
121	Asymmetric Michael addition between kojic acid derivatives and unsaturated ketoesters promoted by C-symmetric organocatalysts. *Organic and Biomolecular Chemistry*, **2018**, 16, 9314-9318	3.9	7
120	Unusual behavior of benzofuroxans under ESI MS conditions in negative ion mode. *Mendeleev Communications*, **2014**, 24, 165-166	1.9	6
119	Asymmetric Tsuji–Trost substitution in 3-acetoxy-1,3-diphenylpropene under phase-transfer conditions. *Mendeleev Communications*, **2012**, 22, 39-40	1.9	6
118	Chiral Ionic Liquid/ESI-MS Methodology as an Efficient Tool for the Study of Transformations of Supported Organocatalysts. *Topics in Catalysis*, **2013**, 56, 923-932	2.3	6
117	Synthesis and conformations of cross-conjugated polyenes containing heterocyclic moieties with diverse structures. *Mendeleev Communications*, **2014**, 24, 377-379	1.9	6
116	Mannich Synthesis of Acetylenic Amino Alcohols in Aqueous Ionic Liquids. *Mendeleev Communications*, **2012**, 22, 317-319	1.9	6
115	Pd-catalyzed allylation of CH acids under phase-transfer conditions. *Russian Chemical Bulletin*, **2010**, 59, 605-610	1.7	6
114	The nitrolysis of N,N-dialkylcarboxamides in liquid carbon dioxide. *Russian Chemical Bulletin*, **2010**, 59, 2147-2150	1.7	6

113	Synthesis of N-propargylanabasine derivatives by the mannich reaction. *Russian Chemical Bulletin*, **2007**, 56, 1637-1647	1.7	6
112	Towards Sustainable Amino Acid Derived Organocatalysts for Asymmetric syn-Aldol Reactions. *European Journal of Organic Chemistry*, **2017**, 2017, 2540-2544	3.2	5
111	Nitro derivatives of 2,1,3-benzothiadiazole 1-oxides: synthesis, structural study, and NO release. *Russian Chemical Bulletin*, **2018**, 67, 95-101	1.7	5
110	Stereoselective Michael Halogenation Initiated Ring Closure (MHIRC) Synthesis of Spirocyclopropanes from Benzylidenemalononitriles and 3-Arylisoxazol-5(4H)-ones. *Synlett*, **2016**, 27, 2489-2493	2.2	5
109	Asymmetric synthesis of warfarin and its analogs catalyzed by C-symmetric squaramide-based primary diamines. *Organic and Biomolecular Chemistry*, **2018**, 16, 6423-6429	3.9	5
108	Recyclable C2-symmetric tertiary amine-squaramide organocatalysts: Design and application to asymmetric synthesis of β-nitrocarbonyl compounds. *Tetrahedron*, **2018**, 74, 4769-4776	2.4	5
107	Palladium-catalyzed allylation of malonic acid derivatives in heterogeneous systems containing ionic liquids. *Mendeleev Communications*, **2014**, 24, 23-25	1.9	5
106	Kinetic resolution of racemic (cyclohexyl)(geranyl)acetic acid. *Mendeleev Communications*, **2014**, 24, 257-259	1.9	5
105	Nitration of carbonic, sulfuric and oxalic acid-derived amides in liquid carbon dioxide. *Mendeleev Communications*, **2013**, 23, 81-83	1.9	5
104	Synthesis of cyclopropane-1,1,2,2-tetracarboxylic acid derivatives from aldehydes and CH-acids in the K2CO3/Bun 4NPF6/toluene heterogeneous system. *Russian Chemical Bulletin*, **2011**, 60, 2286-2290	1.7	5
103	Asymmetric hydrogenation of the CO bond with the recycling of an organometal catalyst deposited on a solid organic polyelectrolyte. *Mendeleev Communications*, **2007**, 17, 20-21	1.9	5
102	Reactions of CH-acids with β,γ-unsaturated aldehydes in ionic liquids. *Russian Chemical Bulletin*, **2004**, 53, 647-651	1.7	5
101	Synthesis of 5-bromo-4-dibromoamino-3-phenylisothiazole and its light-induced conversion into 3,7-diphenylbisisothiazolo[4,5-b:4?,5?-e]pyrazine. *Russian Chemical Bulletin*, **2000**, 49, 956-957	1.7	5
100	Light-induced synthesis of 3,7-disubstituted bisisothiazolo[4,5-b:4?,5?-e]pyrazines from 3-substituted 4-dibromoamino-5-haloisothiazoles. *Russian Chemical Bulletin*, **1999**, 48, 1339-1340	1.7	5
99	Dibromoisocyanuric acid — A new reagent for the preparation of azo compounds from heterocyclic amines. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1991**, 40, 1727-1727		5
98	Chemical properties of N'-cyanodiazene N-oxides. Reactions involving the nitrile group. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1991**, 40, 1460-1466		5
97	Micronization of CL-20 using supercritical and liquefied gases. *CrystEngComm*, **2020**, 22, 7549-7555	3.3	5
96	2-Nitroallyl carbonate-based green bifunctional reagents for catalytic asymmetric annulation reactions. *Organic and Biomolecular Chemistry*, **2021**, 19, 1780-1786	3.9	5

95	HMX surface modification with polymers via sc-CO2 antisolvent process: A way to safe and easy-to-handle energetic materials. *Chemical Engineering Journal*, **2022**, 428, 131363	14.7	5
94	Chiral and Racemic Fields Concept for Understanding of the Homochirality Origin, Asymmetric Catalysis, Chiral Superstructure Formation from Achiral Molecules, and B-Z DNA Conformational Transition. *Symmetry*, **2019**, 11, 649	2.7	4
93	Organocatalysis of asymmetric aldol reaction in water: comparison of catalytic properties of (S)-valine and (S)-proline amides. *Russian Chemical Bulletin*, **2013**, 62, 1010-1015	1.7	4
92	Tsuji–Trost allylation of CH acids in supercritical carbon dioxide: advantages and problems. *Mendeleev Communications*, **2013**, 23, 84-85	1.9	4
91	Stereospecific diaza-Cope rearrangement as an efficient tool for the synthesis of DPEDA pyridine analogs and related C-symmetric organocatalysts. *Organic and Biomolecular Chemistry*, **2017**, 15, 7028-7033	3.9	4
90	Ru–BINAP-catalyzed asymmetric hydrogenation of keto esters in high pressure carbon dioxide. *Mendeleev Communications*, **2012**, 22, 184-186	1.9	4
89	Synthesis of thiazole derivatives bearing an incorporated Z-5-aminopent-3-enoic acid fragment. *Tetrahedron*, **2013**, 69, 6975-6980	2.4	4
88	Regio-, stereo-, and enantioselective reactions of carbon acids catalyzed by recoverable organic catalysts bearing ionic liquid moieties. *Pure and Applied Chemistry*, **2009**, 81, 2059-2068	2.1	4
87	Enantioselective synthesis of α-hydroxy ketones from heterocyclic aldehydes in water catalyzed by a recyclable organocatalyst bearing an ionic liquid moiety. *Russian Chemical Bulletin*, **2009**, 58, 1899-1902	1.7	4
86	Unprecedented acceleration of the domino reaction between methyl 4-hydroxyalk-3-ynoates and amines in ionic liquids. *Mendeleev Communications*, **2011**, 21, 94-96	1.9	4
85	Synthesis of conjugated polynitriles by the reactions of α-dimethylaminoacrolein aminal and 1-dimethylamino-1,3,3-trimethoxypropane with 2-dicyanomethylene-4,5,5-trimethyl-3-cyano-2,5-dihydrofuran. *Mendeleev Communications*, **2007**, 17, 349-351	1.9	4
84	Nitro derivatives of cyclic sulfoximides of the 1,2-benzoisothiazole series. *Russian Chemical Bulletin*, **2002**, 51, 1549-1555	1.7	4
83	Reactions of polychlorophenyllithium compounds with electrophiles. *Russian Chemical Bulletin*, **2005**, 54, 964-969	1.7	4
82	New regiospecific methods for the synthesis of N?-cyanodiazene N-oxides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1990**, 39, 2560-2565		4
81	Buchwald ligand-assisted Suzuki cross-coupling of polychlorobenzenes. *Mendeleev Communications*, **2021**, 31, 400-402	1.9	4
80	Novel di- and tetra(pyrazolyl)bipyridine ligands and their Co (II)-complexes for electrochemical applications. *Tetrahedron*, **2016**, 72, 7552-7556	2.4	4
79	Possible Physical Basis of Mirror Symmetry Effect in Racemic Mixtures of Enantiomers: From Wallach's Rule, Nonlinear Effects, B–Z DNA Transition, and Similar Phenomena to Mirror Symmetry Effects of Chiral Objects. *Symmetry*, **2020**, 12, 889	2.7	3
78	Asymmetric Michael reaction between aldehydes and nitroalkanes promoted by pyrrolidine-containing C2-symmetric organocatalysts. *Russian Chemical Bulletin*, **2019**, 68, 1402-1406	1.7	3

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