Sergei G Zlotin

List of Publications by Year
in descending order

228	3,758	136740 32	182168 51
papers	citations	h-index	g-index

277	277	277	2619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	6.6	34
2	Asymmetric Conjugate Addition of 3â€Hydroxychromenâ€4â€Ones to Electronâ€Deficient Olefins Catalyzed by Recyclable C₂â€Symmetric Squaramide. Advanced Synthesis and Catalysis, 2022, 364, 426-439.	2.1	6
3	Organocatalytic Asymmetric Double Addition of Kojic Acids to 2â€Nitroallylic Carbonates. European Journal of Organic Chemistry, 2022, 2022, .	1.2	4
4	Suzuki cross-coupling of hexachlorobenzene promoted by the Buchwald ligands. Russian Chemical Bulletin, 2022, 71, 169-172.	0.4	2
5	UVâ€Induced Câ^'H Functionalization of Alkanes with NO₂ in Supercritical Carbon Dioxide. ChemPhotoChem, 2022, 6, .	1.5	4
6	2-Nitroallyl carbonate-based green bifunctional reagents for catalytic asymmetric annulation reactions. Organic and Biomolecular Chemistry, 2021, 19, 1780-1786.	1.5	10
7	Nitration of aromatics with dinitrogen pentoxide in a liquefied 1,1,1,2-tetrafluoroethane medium. RSC Advances, 2021, 11, 25841-25847.	1.7	8
8	Proline-Histidine Dipeptide: A Suitable Template for Generating Ion-Tagged Organocatalysts for the Asymmetric Aldol Reaction. Synthesis, 2021, 53, 2702-2712.	1.2	2
9	Novel C2-symmetric phenylglycine derivatives as organocatalysts of the Michael reaction between nitroalkenes and ketones. Russian Chemical Bulletin, 2021, 70, 885-889.	0.4	3
10	Buchwald ligand-assisted Suzuki cross-coupling of polychlorobenzenes. Mendeleev Communications, 2021, 31, 400-402.	0.6	0
11	Buchwald ligand-assisted Suzuki cross-coupling of polychlorobenzenes. Mendeleev Communications, 2021, 31, 400-402.	0.6	7
12	Catalytic Asymmetric Azaâ€Dielsâ€Alder Reaction: Pivotal Milestones and Recent Applications to Synthesis of Nitrogenâ€Containing Heterocycles. Advanced Synthesis and Catalysis, 2021, 363, 1466-1526.	2.1	40
13	A carbon dioxide-promoted three-component Strecker reaction. Green Chemistry, 2021, 23, 10137-10144.	4.6	6
14	Advanced energetic materials: novel strategies and versatile applications. Mendeleev Communications, 2021, 31, 731-749.	0.6	67
15	Nitration of Alkenes and Oxiranes with Nitrogen(IV) Oxide in Liquid and Supercritical Carbon Dioxide Media. Doklady Chemistry, 2021, 500, 209-212.	0.2	3
16	Micronization of CL-20 using supercritical and liquefied gases. CrystEngComm, 2020, 22, 7549-7555.	1.3	15
17	Possible Physical Basis of Mirror Symmetry Effect in Racemic Mixtures of Enantiomers: From Wallachâ€™s Rule, Nonlinear Effects, Bâ€“Z DNA Transition, and Similar Phenomena to Mirror Symmetry Effects of Chiral Objects. Symmetry, 2020, 12, 889.	1.1	4
18	Supercritical fluids in chemistry. Russian Chemical Reviews, 2020, 89, 1337-1427.	2.5	62

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19	Asymmetric Michael reaction between aldehydes and nitroalkanes promoted by pyrrolidine-containing C2-symmetric organocatalysts. Russian Chemical Bulletin, 2019, 68, 1402-1406.	0.4	3
20	Supercritical Antisolvent Processing of Nitrocellulose: Downscaling to Nanosize, Reducing Friction Sensitivity and Introducing Burning Rate Catalyst. Nanomaterials, 2019, 9, 1386.	1.9	38
21	Conjugate Addition of Carbon Acids to Î²,Î³-Unsaturated Î±-Keto Esters: Product Tautomerism and Applications for Asymmetric Synthesis of Benzo[a]phenazin-5-ol Derivatives. Journal of Organic Chemistry, 2019, 84, 13824-13831.	1.7	9
22	Ð¡hiral 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.	1.1	9
23	C₂-Symmetric Chiral Squaramide, Recyclable Organocatalyst for Asymmetric Michael Reactions. Journal of Organic Chemistry, 2019, 84, 4304-4311.	1.7	22
24	Continuous nitration of alcohols in a Freon flow. Reaction Chemistry and Engineering, 2019, 4, 1303-1308.	1.9	10
25	Recent advances in the asymmetric synthesis of pharmacology-relevant nitrogen heterocyclesviastereoselective aza-Michael reactions. Organic and Biomolecular Chemistry, 2019, 17, 3670-3708.	1.5	110
26	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.	3.2	12
27	Green asymmetric synthesis of Warfarin and Coumachlor in pure water catalyzed by quinoline-derived 1,2-diamines. Green Chemistry, 2018, 20, 754-759.	4.6	21
28	Nitro derivatives of 2,1,3-benzothiadiazole 1-oxides: synthesis, structural study, and NO release. Russian Chemical Bulletin, 2018, 67, 95-101.	0.4	11
29	High diastereoselective amine-catalyzed Knoevenagelâ€“Michael-cyclizationâ€“ring-opening cascade between aldehydes, 3-arylisoxazol-5(4H)-ones and 3-aminocyclohex-2-en-1-ones. Molecular Diversity, 2018, 22, 627-636.	2.1	5
30	Green asymmetric synthesis of tetrahydroquinolines in carbon dioxideÂmedium promoted by lipophilic bifunctional tertiary amine â€“ squaramide organocatalysts. Tetrahedron, 2018, 74, 157-164.	1.0	15
31	Asymmetric Michael addition between kojic acid derivatives and unsaturated ketoesters promoted by C₂-symmetric organocatalysts. Organic and Biomolecular Chemistry, 2018, 16, 9314-9318.	1.5	11
32	Synthesis and structural investigation of 4,4â€²-dimethyl-[3,3â€²-bi(1,2,5-oxadiazole)] 5,5â€²-dioxide. Russian Chemical Bulletin, 2018, 67, 2044-2048.	0.4	1
33	Stereoselective Synthesis of Tetrahydroquinolines via Asymmetric Domino Reaction Catalyzed by a Recyclable Ionicâ€Liquidâ€Supported Bifunctional Tertiary Amine. European Journal of Organic Chemistry, 2018, 2018, 7000-7008.	1.2	13
34	[1,2,5]Oxadiazolo[3,4-d]pyridazine 1,5,6-trioxides: efficient synthesis via the reaction of trifluoroacetic acids and structural characterization. Tetrahedron Letters, 2018, 59, 3143-3146.	0.7	11
35	Asymmetric synthesis of warfarin and its analogs catalyzed by C₂-symmetric squaramide-based primary diamines. Organic and Biomolecular Chemistry, 2018, 16, 6423-6429.	1.5	10
36	Recyclable C2-symmetric tertiary amine-squaramide organocatalysts: Design and application to asymmetric synthesis of Î³-nitrocarbonyl compounds. Tetrahedron, 2018, 74, 4769-4776.	1.0	7

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37	1,4-cis-Hydrogenation of butyl sorbate in supercritical carbon dioxide. Russian Chemical Bulletin, 2018, 67, 923-926.	0.4	0
38	Homochirality, Stochastic Chiral Reactions, Spontaneous Chiral Ordering of Achiral Molecules, and Similar Chiral Effects. Is there a Physical Basis for these Mirror Symmetry Breaking Phenomena?**. Current Organic Chemistry, 2018, 22, 2029-2054.	0.9	6
39	The progress in the chemistry of N-acyliminium ions and their use in stereoselective organic synthesis. Russian Chemical Reviews, 2017, 86, 1-17.	2.5	22
40	Towards Sustainable Amino Acid Derived Organocatalysts for Asymmetric synâ€Aldol Reactions. European Journal of Organic Chemistry, 2017, 2017, 2540-2544.	1.2	8
41	Tertiary Amine-Derived Ionic Liquid-Supported Squaramide as a Recyclable Organocatalyst for Noncovalent â€œOn Waterâ€•Catalysis. ACS Catalysis, 2017, 7, 2981-2989.	5.5	55
42	Organic and hybrid systems: from science to practice. Mendeleev Communications, 2017, 27, 425-438.	0.6	86
43	Nazarov reaction: current trends and recent advances in the synthesis of natural compounds and their analogs. Organic and Biomolecular Chemistry, 2017, 15, 8245-8269.	1.5	104
44	Prospective Symbiosis of Green Chemistry and Energetic Materials. ChemSusChem, 2017, 10, 3914-3946.	3.6	87
45	Stereospecific diaza-Cope rearrangement as an efficient tool for the synthesis of DPEDA pyridine analogs and related C₂-symmetric organocatalysts. Organic and Biomolecular Chemistry, 2017, 15, 7028-7033.	1.5	5
46	Synthesis and stereochemical assignment of geraniol- and nerol-derived Cygerol enantiomers. Tetrahedron: Asymmetry, 2017, 28, 1834-1841.	1.8	1
47	Bis[1,2,5]oxadiazolo[3,4- c :3â€™,4â€™- e]pyridazine 4,5-dioxide as a synthetic equivalent of 4,4â€™-dinitroso-3,3â€™-bifurazan. Mendeleev Communications, 2017, 27, 448-450.	0.6	8
48	Asymmetric Michael addition of aldehydes to maleimides in primary amine-based aqueous ionic liquid-supported recyclable catalytic system. Mendeleev Communications, 2017, 27, 473-475.	0.6	14
49	Carane amino alcohols as organocatalysts in asymmetric aldol reaction of isatin with acetone. Russian Chemical Bulletin, 2017, 66, 293-296.	0.4	9
50	Safe and Convenient Synthesis of Primary N-Nitramines in the Freon Media. Synthesis, 2017, 49, 1103-1108.	1.2	11
51	Recent advances in synthesis of organic nitrogenâ€“oxygen systems for medicine and materials science. Mendeleev Communications, 2017, 27, 535-546.	0.6	48
52	Novel L-threonine-based ionic liquid supported organocatalyst for asymmetric syn-aldol reaction: activity and recyclability design. Arkivoc, 2017, 2017, 241-249.	0.3	2
53	Challenges in the development of organic and hybrid molecular systems. Mendeleev Communications, 2016, 26, 365-374.	0.6	89
54	Ionic liquid supported 4-HO-Pro-Val derived organocatalysts for asymmetric aldol reactions in the presence of water. Mendeleev Communications, 2016, 26, 388-390.	0.6	19

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55	Novel di- and tetra(pyrazolyl)bipyridine ligands and their Co (II)-complexes for electrochemical applications. Tetrahedron, 2016, 72, 7552-7556.	1.0	4
56	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.	0.7	13
57	Stereoselective reactions of nitro compounds in the synthesis of natural compound analogs and active pharmaceutical ingredients. Tetrahedron, 2016, 72, 6191-6281.	1.0	112
58	Asymmetric synthesis of 3-prenyl-substituted pyrrolidin-2-ones. Mendeleev Communications, 2016, 26, 471-473.	0.6	10
59	C₂-Symmetric pyrrolidine-derived squaramides as recyclable organocatalysts for asymmetric Michael reactions. Organic and Biomolecular Chemistry, 2016, 14, 9751-9759.	1.5	17
60	Stereoselective Michael Halogenation Initiated Ring Closure (MHIRC) Synthesis of Spirocyclopropanes from Benzylidenemalononitriles and 3-Arylisoxazol-5(4H)-ones. Synlett, 2016, 27, 2489-2493.	1.0	5
61	Unusual transformation of 3-alkylfuroxans into 3-(nitrooxyalkyl)furoxans on treatment with a mixture of nitric and sulfuric acids. Russian Chemical Bulletin, 2016, 65, 2901-2906.	0.4	2
62	Asymmetric catalytic synthesis of functionalized tetrahydroquinolines in supercritical fluids. Journal of Supercritical Fluids, 2016, 109, 35-42.	1.6	25
63	The orthoester Johnsonâ€“Claisen rearrangement of allylic terpenols in the presence of acidic ionic liquid. Journal of Fluorine Chemistry, 2016, 183, 23-29.	0.9	6
64	Relative permittivity of monocomponent and binary solutions of N2O5 in liquid CO2 and their activity in nitration of cellulose. Russian Journal of Physical Chemistry B, 2015, 9, 1130-1136.	0.2	4
65	Detonation nanodiamond complexes with cancer stem cells inhibitors or paracrine products of mesenchymal stem cells as new potential medications. Crystallography Reports, 2015, 60, 763-767.	0.1	3
66	Prolinamideâ€Derived Ionicâ€Liquidâ€Supported Organocatalyst for Asymmetric Monoâ€and Bisâ€Aldol Reactions in the Presence of Water. European Journal of Organic Chemistry, 2015, 2015, 5649-5654.	1.2	16
67	Asymmetric aldol reactions in ketone/ketone systems catalyzed by ionic liquid-supported C2-symmetrical organocatalyst. Mendeleev Communications, 2015, 25, 168-170.	0.6	18
68	C2-Symmetric diamines and their derivatives as promising organocatalysts for asymmetric synthesis. Russian Chemical Reviews, 2015, 84, 1077-1099.	2.5	29
69	Novel approaches to pharmacology-oriented and energy rich organic nitrogenâ€“oxygen systems. Mendeleev Communications, 2015, 25, 399-409.	0.6	67
70	Pot, atom and step economic (PASE) synthesis of 5-isoxazolyl-5H-chromeno[2,3-b]pyridine scaffold. Mendeleev Communications, 2015, 25, 424-426.	0.6	52
71	Nitration of glycoluril derivatives in liquid carbon dioxide. Mendeleev Communications, 2015, 25, 15-16.	0.6	16
72	Organic and hybrid molecular systems. Mendeleev Communications, 2015, 25, 75-82.	0.6	170

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73	Synthesis of novel tridentate pyrazoleâ€“bipyridine ligands for Co-complexes as redox-couples in dye-sensitized solar cells. Tetrahedron, 2015, 71, 8551-8556.	1.0	12
74	[1,4]Dithiino[2,3-c:5,6-câ€™]bis[1,2,5]oxadiazole di-N-oxide: synthesis and oxidation to mono- and bis-S-oxides. Mendeleev Communications, 2015, 25, 339-340.	0.6	15
75	(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, 9570-9577.	1.7	26
76	Synthesis and conformations of cross-conjugated polyenes containing heterocyclic moieties with diverse structures. Mendeleev Communications, 2014, 24, 377-379.	0.6	6
77	Primary Amine Attached to an Nâ€(Carboxyalkyl)imidazolium Cation: A Recyclable Organocatalyst for the Asymmetric Michael Reaction. European Journal of Organic Chemistry, 2014, 2014, 3808-3813.	1.2	15
78	Simulation of Ozone and Molecular Oxygen Oxidation of Dinitrogen Tetroxide to Nitric Anhydride. Mendeleev Communications, 2014, 24, 94-95.	0.6	0
79	Unusual behavior of benzofuroxans under ESI MS conditions in negative ion mode. Mendeleev Communications, 2014, 24, 165-166.	0.6	6
80	Palladium-catalyzed allylation of malonic acid derivatives in heterogeneous systems containing ionic liquids. Mendeleev Communications, 2014, 24, 23-25.	0.6	6
81	Stereodivergent Michael addition of diphenylphosphite to Î±-nitroalkenes in the presence of squaramide-derived tertiary amines: an enantioselective organocatalytic reaction in supercritical carbon dioxide. Green Chemistry, 2014, 16, 1521.	4.6	30
82	Kinetic resolution of racemic (cyclohexyl)(geranyl)acetic acid. Mendeleev Communications, 2014, 24, 257-259.	0.6	5
83	New synthesis of ethambutol and related Î±,Î²-acetylenic amino alcohols. Pharmaceutical Chemistry Journal, 2013, 46, 730-735.	0.3	3
84	Synthesis of thiacyanine dyes containing coumarin moieties at benzothiazole rings. Mendeleev Communications, 2013, 23, 212-214.	0.6	2
85	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.	1.3	6
86	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.	0.4	4
87	Tsujiâ€“Trost allylation of CH acids in supercritical carbon dioxide: advantages and problems. Mendeleev Communications, 2013, 23, 84-85.	0.6	5
88	KOH-Promoted Synthesis of Oxirane Functional Derivatives from Diethyl Bromomalonate and Aldehydes under Phase-Transfer Catalysis Conditions. Mendeleev Communications, 2013, 23, 24-25.	0.6	3
89	Nitration of carbonic, sulfuric and oxalic acid-derived amides in liquid carbon dioxide. Mendeleev Communications, 2013, 23, 81-83.	0.6	9
90	conjugate additions of ketones to Î±-nitroalkenes. Tetrahedron: Asymmetry, 2013, 24, 776-779.	1.8	14

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91	Synthesis of thiazole derivatives bearing an incorporated Z-5-aminopent-3-enoic acid fragment. Tetrahedron, 2013, 69, 6975-6980.	1.0	7
92	Synthesis, spectral properties, and conformations of nonlinear cross-conjugated polyenes containing pyrane or dihydropyridine fragment. Russian Chemical Bulletin, 2013, 62, 2012-2022.	0.4	2
93	Simple Ionic Liquid Supported C₂â€Symmetric Bisprolinamides as Recoverable Organocatalysts for the Asymmetric Aldol Reaction in the Presence of Water. European Journal of Organic Chemistry, 2012, 2012, 7129-7134.	1.2	38
94	Chiral Primary Amine Tagged to Ionic Group as Reusable Organocatalyst for Asymmetric Michael Reactions of Câ€Nucleophiles with Î±,Î²â€Unsaturated Ketones. Advanced Synthesis and Catalysis, 2012, 354, 3078-3086.	2.1	27
95	Mannich Synthesis of Acetylenic Amino Alcohols in Aqueous Ionic Liquids. Mendeleev Communications, 2012, 22, 317-319.	0.6	8
96	Synthesis of methaprogerol analogs. Russian Chemical Bulletin, 2012, 61, 253-258.	0.4	1
97	Efficient syntheses of C20-carotene and crocetin (descrocetin) esters promoted by an acidic ionic liquid. Tetrahedron Letters, 2012, 53, 4971-4973.	0.7	10
98	Ruâ€“BINAP-catalyzed asymmetric hydrogenation of keto esters in high pressure carbon dioxide. Mendeleev Communications, 2012, 22, 184-186.	0.6	7
99	Asymmetric organocatalysis: from proline to highly efficient immobilized organocatalysts. Russian Chemical Bulletin, 2012, 61, 1313-1320.	0.4	26
100	Asymmetric Tsujiâ€“Trost substitution in 3-acetoxy-1,3-diphenylpropene under phase-transfer conditions. Mendeleev Communications, 2012, 22, 39-40.	0.6	7
101	Synthesis of nitric acid esters from alcohols in a dinitrogen pentoxide/carbon dioxide liquid system. Mendeleev Communications, 2012, 22, 67-69.	0.6	11
102	Enantioselective addition of carbon acids to Î±-nitroalkenes: the first asymmetric aminocatalytic reaction in liquefied carbon dioxide. Tetrahedron Letters, 2012, 53, 3502-3505.	0.7	25
103	Organocatalytic Michael and Friedelâ€“Crafts reactions in enantioselective synthesis of biologically active compounds. Russian Chemical Reviews, 2011, 80, 1067-1113.	2.5	54
104	Ionic Liquidsâ€”Advanced Reaction Media for Organic Synthesis. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1205-1216.	0.8	13
105	Synthesis of nitrocyclopropanedicarboxylic acid derivatives by addition of Î±-bromonitroalkanes to methylidene malonic, methylidene cyanoacetic or maleic acid derivatives. Russian Chemical Bulletin, 2011, 60, 2279-2285.	0.4	5
106	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.	0.4	6
107	2-Hydroxy-3-[(S)-prolinamido]pinanes as novel bifunctional organocatalysts for asymmetric aldol reactions in aqueous media. Tetrahedron: Asymmetry, 2011, 22, 1320-1324.	1.8	18
108	Synthesis and properties of cross-conjugated Ï‰,Ï‰â€²-bis-dimethylamino ketones and dinitriles with N-acetyl- and N-benzylpiperidine cycles. Russian Chemical Bulletin, 2011, 60, 2014-2020.	0.4	1

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109	Ionic polymer-supported O-trimethylsilyl-Î±,Î±-diphenyl-(S)-prolinols as recoverable organocatalysts for the asymmetric Michael reactions of carbon acids with Î±,Î²-enals. Mendeleev Communications, 2011, 21, 146-148.	0.6	19
110	(S)-Threonine/Î±,Î±-(S)-diphenylvalinol-derived chiral ionic liquid: an immobilized organocatalyst for asymmetric syn-aldol reactions. Tetrahedron, 2011, 67, 1948-1954.	1.0	37
111	(1R,2R)â€Bis[(S)â€prolinamido]cyclohexane Modified with Ionic Groups: The First C₂â€Symmetric Immobilized Organocatalyst for Asymmetric Aldol Reactions in Aqueous Media. European Journal of Organic Chemistry, 2011, 2011, 6128-6133.	1.2	32
112	Chiral Ionic Liquid/ESIâ€MS Methodology as an Efficient Tool for the Study of Transformations of Supported Organocatalysts: Deactivation Pathways of JÃ¸rgensenâ€“Hayashiâ€Type Catalysts in Asymmetric Michael Reactions. Chemistry - A European Journal, 2011, 17, 6109-6117.	1.7	48
113	Unprecedented acceleration of the domino reaction between methyl 4-hydroxyalk-3-ynoates and amines in ionic liquids. Mendeleev Communications, 2011, 21, 94-96.	0.6	7
114	Acidic ionic liquid-catalyzed homologation of the polyene chain in Î±,Î²-enals (polyenals). Tetrahedron, 2011, 67, 173-178.	1.0	7
115	Synthesis of 2,6-bis(fluoroalkyl)-2,6-dihydroxytetrahydro-2H-pyran-3,5-dicarboxylates from aldehydes and fluorinated Î²-oxo esters in the presence of ionic liquid-K2CO3 as catalytic system. Russian Journal of Organic Chemistry, 2010, 46, 468-473.	0.3	5
116	Ionic liquids as substrate-specific recoverable solvents and catalysts of regio-, stereo- and enantioselective organic reactions. Mendeleev Communications, 2010, 20, 63-71.	0.6	38
117	Pd-catalyzed allylation of CH acids under phase-transfer conditions. Russian Chemical Bulletin, 2010, 59, 605-610.	0.4	7
118	Protonation and alkylation of cross-conjugated Ï‰,Ï‰â€™-bis(dimethylamino) ketones (ketocyanines) containing the piperidine ring and the synthesis of the corresponding thiapentacarbocyanine dyes. Russian Chemical Bulletin, 2010, 59, 812-819.	0.4	0
119	The nitrolysis of N,N-dialkylcarboxamides in liquid carbon dioxide. Russian Chemical Bulletin, 2010, 59, 2147-2150.	0.4	10
120	Chiral Ionic Liquids Bearing Oâ€Silylated Î±,Î±â€Diphenyl (S)â€• or (R)â€Prolinol Units: Recoverable Organocatalysts for Asymmetric Michael Addition of Nitroalkanes to Î±,Î²â€Enals. European Journal of Organic Chemistry, 2010, 2010, 2927-2933.	1.2	64
121	The Suzukiâ€“Miyaura cross-coupling of bromo- and chloroarenes with arylboronic acids in supercritical carbon dioxide. Mendeleev Communications, 2010, 20, 140-142.	0.6	22
122	Asymmetric allylic alkylation in supercritical carbon dioxide using P*-chiral diamidophosphite ligands. Mendeleev Communications, 2010, 20, 143-144.	0.6	12
123	A new (S)-prolinamide modified by an ionic liquid moietyâ€”a high performance recoverable catalyst for asymmetric aldol reactions in aqueous media. Tetrahedron, 2010, 66, 513-518.	1.0	70
124	Î±,Î±-Diarylprolinol-derived chiral ionic liquids: recoverable organocatalysts for the domino reaction between Î±,Î²-enals and N-protected hydroxylamines. Tetrahedron: Asymmetry, 2010, 21, 2659-2670.	1.8	56
125	Variation in the regioselectivity of levulinic acid bromination in ionic liquids. Tetrahedron Letters, 2010, 51, 545-547.	0.7	22
126	Pd-catalyzed allylic amination in supercritical carbon dioxide: Synthesis of carborane-containing terpenoids. Journal of Supercritical Fluids, 2010, 54, 218-221.	1.6	9

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127	The use of new carboranylphosphite ligands in the asymmetric Rh-catalyzed hydrogenation. Catalysis Communications, 2010, 11, 419-421.	1.6	35
128	Reactions of carbon acids and 1,3-dipoles in the presence of ionic liquids. Russian Chemical Reviews, 2010, 79, 543-583.	2.5	38
129	Synthetic Utilization of Polynitroaromatic Compounds: Synthesis of Fluorinated Fused Heterocycles from Polynitroaromatic Compounds. ACS Symposium Series, 2009, , 291-306.	0.5	1
130	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.	0.9	5
131	Oâ€TMSâ€Î±,Î±â€diphenylâ€(S)â€prolinol Modified with an Ionic Liquid Moiety: A Recoverable Organocatalyst for the Asymmetric Michael Reaction between Î±,Î²â€Enals and Dialkyl Malonates. European Journal of Organic Chemistry, 2009, 2009, 5134-5137.	1.2	65
132	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.	2.0	57
133	Isoprenoid derivatives of N-propargylanabasine: mild hydration of a trisubstituted double bond. Chemistry of Heterocyclic Compounds, 2009, 45, 677-679.	0.6	1
134	Enantioselective synthesis of Î²-hydroxy ketones from heterocyclic aldehydes in water catalyzed by a recyclable organocatalyst bearing an ionic liquid moiety. Russian Chemical Bulletin, 2009, 58, 1899-1902.	0.4	6
135	Functionalized N-propargylanabazine derivatives. Russian Chemical Bulletin, 2009, 58, 1921-1926.	0.4	5
136	Synthesis of N,N-dialkylnitramines from secondary ammonium nitrates in liquid or supercritical carbon dioxide. Russian Chemical Bulletin, 2009, 58, 2058-2062.	0.4	4
137	Cross-conjugated ï‰,ï‰â€²-bis(dimethylamino) ketones and dinitriles containing a cycloalkane or piperidine fragment: synthesis and study of spectroscopic properties. Russian Chemical Bulletin, 2009, 58, 317-321.	0.4	1
138	Regioselective palladium-catalysed prenylation of CH acids in the presence of diamidophosphite ligands and potassium carbonate. Mendeleev Communications, 2009, 19, 103-105.	0.6	9
139	Hydroxy-Î±-amino acids modified by ionic liquid moieties: recoverable organocatalysts for asymmetric aldol reactions in the presence of water. Tetrahedron, 2009, 65, 1366-1372.	1.0	69
140	Synthesis of chiral amino acid derivatives in supercritical carbon dioxide using Rh-PipPhos catalyst. Journal of Supercritical Fluids, 2009, 50, 118-120.	1.6	20
141	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.	0.8	26
142	Organocatalysis of asymmetric aldol reaction. Catalysts and reagents. Russian Chemical Reviews, 2009, 78, 737-784.	2.5	109
143	Asymmetric aldol condensation in an ionic liquid-water system catalyzed by (S)-prolinamide derivatives.. Russian Chemical Bulletin, 2008, 57, 591-594.	0.4	31
144	Reactions of 2,2-disubstituted 1,1-dicyanoethenes with Î²-dimethylaminoacrolein aminal and 3-dimethylamino-1,1,3-trimethoxypropane. Russian Chemical Bulletin, 2008, 57, 1671-1675.	0.4	2

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145	Recoverable Phaseâ€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.	1.2	20
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