Sergey N Osipov

List of Publications by Year
in descending order

72 papers	1,489 citations	257450 24 h-index	361022 35 g-index
89 all docs	89 docs citations	89 times ranked	1249 citing authors

#	Article	IF	Citations
1	Organofluorine chemistry: promising growth areas and challenges. Russian Chemical Reviews, 2019, 88, 425-569.	6.5	127
2	A New Strategy for the Synthesis of Î±-Difluoromethyl-Substituted Î±-Hydroxy and Î±-Amino Acids. Journal of Organic Chemistry, 1996, 61, 7521-7528.	3.2	70
3	Fluorine-containing Î±-alkynyl amino esters and access to a new family of 3,4-dehydroproline analogues. New Journal of Chemistry, 2001, 25, 16-18.	2.8	64
4	Synthesis of Î±-trifluoromethyl substituted Î±-amino acid derivatives from methyl 3,3,3-trifluoro-2-diazopropionate. Tetrahedron Letters, 1996, 37, 615-618.	1.4	63
5	Synthesis of functionalized bisphosphonates via click chemistry. Organic and Biomolecular Chemistry, 2007, 5, 2361-2367.	2.8	53
6	Fluorine-containing ketimines. Russian Chemical Reviews, 1992, 61, 798-815.	6.5	51
7	First Synthesis of Totally Orthogonal Protected Î±-(Trifluoromethyl)- and Î±-(Difluoromethyl)arginines. Journal of Organic Chemistry, 2001, 66, 130-133.	3.2	44
8	Rutheniumâ€Catalysed Synthesis of Fluorinated Bicyclic Amino Esters through Tandem Carbene Addition/Cyclopropanation of Enynes. Chemistry - A European Journal, 2011, 17, 9456-9462.	3.3	40
9	Facile synthesis of phosphorylated azides in ionic liquids and their use in the preparation of 1,2,3â€triazoles. Heteroatom Chemistry, 2008, 19, 293-300.	0.7	36
10	Synthesis of functionalized CF3-containing heterocycles via [2,3]-sigmatropic rearrangement and sequential catalytic carbocyclization. Tetrahedron, 2011, 67, 3524-3532.	1.9	36
11	Asymmetric synthesis of Î±-trifluoromethyl substituted aminoacids via 3-hydroxy-3-trifluoromethyl-2,5-diketopiperazines. Tetrahedron: Asymmetry, 1994, 5, 1051-1060.	1.8	35
12	Cuâ€Catalyzed Carbenoid Functionalization of Indoles by Methyl 3,3,3â€Trifluoroâ€2â€diazopropionate. European Journal of Organic Chemistry, 2014, 2014, 2480-2486.	2.4	35
13	Synthesis of fluorine-containing cyclic amino acid derivatives via ring closing olefin metathesis. Chemical Communications, 1998, , 2053-2054.	4.1	34
14	Alkylidene-Ruthenium-Tin Catalysts for the Formation of Fatty Nitriles and Esters via Cross-Metathesis of Plant Oil Derivativesâ€. Organometallics, 2010, 29, 5257-5262.	2.3	33
15	Click-chemistry approach to isoxazole-containing Î±-CF3-substituted Î±-aminocarboxylates and Î±-aminophosphonates. Organic and Biomolecular Chemistry, 2011, 9, 7335.	2.8	33
16	Methyltrifluoropyruvate imines possessing N-oxalyl and N-phosphonoformyl groupsâ€”precursors to a variety of Î±-CF3-Î±-amino acid derivatives. Organic and Biomolecular Chemistry, 2006, 4, 3669-3674.	2.8	31
17	Synthesis of Î±â€Alkynylâ€Î²,Î²â€trifluoroalanine Derivatives by Sonogashira Crossâ€Coupling Reaction. European Journal of Organic Chemistry, 2010, 2010, 1587-1592.	2.4	30
18	Stereoselective Alkane Oxidation with meta-Chloroperoxybenzoic Acid (MCPBA) Catalyzed by Organometallic Cobalt Complexes. Molecules, 2016, 21, 1593.	3.8	29

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19	Synthesis of CF3-containing tetrapeptide surrogates via Ugi reaction/dipolar cycloaddition sequence. Tetrahedron, 2012, 68, 872-877.	1.9	28
20	Rh^{III}â€Catalyzed CF₃â€Carbenoid Câ€7 Functionalization of Indolines. European Journal of Organic Chemistry, 2017, 2017, 840-845.	2.4	28
21	CF₃â€Carbenoid Câ€“H Functionalization of (Hetero)arenes under Chelationâ€Controlled Rh^{III} Catalysis. European Journal of Organic Chemistry, 2015, 2015, 4950-4955.	2.4	27
22	Metathesis Catalysts with Fluorinated Unsymmetrical NHC Ligands. Organometallics, 2015, 34, 2305-2313.	2.3	27
23	Synthesis of functionalized Î±-CF3-Î±-aminophosphonates via Cu(I)-catalyzed 1,3-dipolar cycloaddition. Journal of Fluorine Chemistry, 2010, 131, 378-383.	1.7	25
24	Cyclobutene Ring-Opening of Bicyclo[4.2.0]octa-1,6-dienes: Access to CF3-Substituted 5,6,7,8-Tetrahydro-1,7-naphthyridines. Journal of Organic Chemistry, 2012, 77, 8518-8526.	3.2	25
25	Selective Synthesis of 2- and 7-Substituted Indole Derivatives via Chelation-Assisted Metallocarbenoid Câ€“H Bond Functionalization. Synthesis, 2018, 50, 227-240.	2.3	25
26	Trifluoromethylated cyclopropanes and epoxides from CuI-mediated transformations of Î±-trifluoromethyl-diazophosphonate. Journal of Fluorine Chemistry, 2007, 128, 723-728.	1.7	24
27	Access to Cyclic Î±â€CF₃â€Substituted Î±â€Amino Acid Derivatives by Ringâ€Closing Metathesis of Functionalized 1,7â€Enynes. European Journal of Organic Chemistry, 2013, 2013, 5353-5363.	2.4	24
28	New efficient syntheses of Î±-diflyoromethyl- and Î±-trifluoromethyl-ornithine. Tetrahedron Letters, 1997, 38, 5965-5966.	1.4	21
29	Rhodium(<scp>iii</scp>)-catalyzed CF₃-carbenoid Câ€“H functionalization of 6-arylpurines. Organic and Biomolecular Chemistry, 2018, 16, 2966-2974.	2.8	21
30	Fluorinated Unsymmetrical N,Nâ€²â€Diaryl Imidazolium Saltsâ€”New Functionalized NHCâ€Ligand Precursors. Chemistry - A European Journal, 2017, 23, 6663-6674.	3.3	20
31	Azideâ€“Alkyne Cycloaddition (CuAAC) in Alkane Solvents Catalyzed by Fluorinated NHC Copper(I) Complex. European Journal of Organic Chemistry, 2019, 2019, 1016-1020.	2.4	20
32	Novel Synthesis of Cyclic Î±-Amino Acid Esters via Ene Reaction and Ruthenium-catalyzed Ring Rearrangement. Synlett, 2001, 2001, 0621-0622.	1.8	18
33	An Effective Approach to 1,2,3-Triazole-Containing 12-Vertex closo-Dodecaborates. Collection of Czechoslovak Chemical Communications, 2007, 72, 1717-1724.	1.0	17
34	Synthesis of Î±-CF3-containing triazolyl amino acids as potential neurotransmitters via click-reaction. Journal of Fluorine Chemistry, 2015, 175, 60-67.	1.7	16
35	Rh(III)â€Catalyzed Câˆ’H Activation/Annulation of Aryl Hydroxamates with CF₃â€Containing Î±â€Propargyl Î±â€Amino Acid Derivatives. European Journal of Organic Chemistry, 2021, 2021, 1883-1890.	2.4	16
36	Synthesis of metathesis catalysts with fluorinated unsymmetrical N,Nâ€™-diaryl imidazoline-based NHC ligands. Journal of Fluorine Chemistry, 2017, 200, 66-76.	1.7	14

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37	Synthesis of CF3-Containing 1,2,3,4-Tetrahydroisoquinoline-3-Phosphonates via Regioselective Ruthenium-Catalyzed Co-cyclotrimerization of 1,7-AzaÂdiynes. Synlett, 2013, 24, 1517-1522.	1.8	13
38	CF3-Carbenoid functionalization of N-(pyrimidin-2-yl)indole catalyzed by cobalt complexes: Ligand control of selectivity. Mendeleev Communications, 2018, 28, 359-361.	1.6	13
39	A new preparative method for the synthesis of diethyl 1-diazo-2,2,2-trifluoroethylphosphonate via an imino phosphonate. Russian Chemical Bulletin, 2010, 59, 107-109.	1.5	12
40	Intramolecular cyclization of acetylene-containing Î±-amino carboxylates and Î±-amino phosphonates: synthesis of Î±-CF3-substituted dehydroprolines and their P-analogs. Russian Chemical Bulletin, 2013, 62, 792-796.	1.5	12
41	Synthesis of Î±-CF₃-substituted E-dehydroornithine derivatives via copper(<scp>i</scp>)-catalyzed hydroamination of allenes. Organic and Biomolecular Chemistry, 2020, 18, 3274-3280.	2.8	12
42	Oneâ€Pot Synthesis of 5â€Aminoâ€1,2,3â€triazole Derivatives via Dipolar Azideâ^'Nitrile Cycloaddition and Dimroth Rearrangement under Solventâ€Free Conditions. European Journal of Organic Chemistry, 2021, 2021, 1378-1384.	2.4	12
43	Methyl 3,3-Difluoro-2-hydroxyacrylate - A New Metastable Enol. Synlett, 1995, 1995, 1269-1270.	1.8	11
44	Synthesis of CF3-containing Î±-alkynyl-Î±-aminophosphonates by Sonogashira cross-coupling reaction. Journal of Fluorine Chemistry, 2012, 135, 33-37.	1.7	11
45	Ruthenium-Catalyzed Cyclotrimerization of 1,6- and 1,7-Azadiynes: New Access to Fluorinated Bicyclic Amino Acids. Synlett, 2008, 2008, 578-582.	1.8	10
46	Rutheniumâ€Alkylidene Complexes with Sterically Rigid Fluorinated NHC Ligands. European Journal of Organic Chemistry, 2018, 2018, 5988-5996.	2.4	10
47	Synthesis and optical properties of novel unsymmetrically substituted benzothiadiazole-based luminophores. Mendeleev Communications, 2021, 31, 33-35.	1.6	10
48	Synthesis of Î±-Trifluoromethyl-Î±-hydroxy Acid-Peptide Conjugates via Click Chemistry. Synthesis, 2012, 44, 130-136.	2.3	9
49	Novel olefin metathetis catalysts with fluorinated N-alkyl-NÂ´-arylimidazolin-2-ylidene ligands. Russian Chemical Bulletin, 2017, 66, 1601-1606.	1.5	8
50	Deep blue luminescent cyclometallated 1,2,3-triazol-5-ylidene iridium(iii) complexes. Mendeleev Communications, 2020, 30, 717-718.	1.6	8
51	New Î±-trifluoromethyl-substituted Î±-amino phosphonates. Mendeleev Communications, 2000, 10, 192.	1.6	7
52	Thermal [2+2] Cycloaddition of CF3-Substituted Allenynes: Access to Novel Cyclobutene-Containing Î±-Amino Acids. Synlett, 2011, 2011, 2321-2324.	1.8	7
53	New fluorinated catalysts for olefin metathesis. Mendeleev Communications, 2016, 26, 474-476.	1.6	7
54	New olefin metathesis catalysts with fluorinated unsymmetrical imidazole-based ligands. Mendeleev Communications, 2018, 28, 609-611.	1.6	7

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55	Lossen rearrangement by Rh(iii)-catalyzed Câ€“H activation/annulation of aryl hydroxamates with alkynes: access to quinolone-containing amino acid derivatives. Organic and Biomolecular Chemistry, 2021, 19, 9421-9426.	2.8	7
56	Access to Functionalized Î±-Trifluoromethyl-Î±-aminophosphonates via Intermolecular Eneâ€“Yne Metathesis. Synlett, 2014, 25, 2624-2628.	1.8	6
57	Generation of Monoclonal Antibody Against trans-Resveratrol. Hybridoma, 2012, 31, 449-454.	0.4	5
58	Ruthenium-catalyzed cyclotrimerization of Î±-amino-Î±-propargyl carboxylates and phosphonates with 1,6-diynes: synthesis of Î±-CF3-containing phenylalanine derivatives and their P-analogs. Russian Chemical Bulletin, 2014, 63, 2455-2460.	1.5	5
59	Alkynylâ€•or Azidoâ€Functionalized 1,2,3â€Triazoles: Selective MonoCuAAC Promoted by Physical Factors. ChemistrySelect, 2019, 4, 7470-7475.	1.5	5
60	Monothiolate ruthenium alkylidene complexes with tricyclic fluorinated N-heterocyclic carbene ligands. Mendeleev Communications, 2019, 29, 38-40.	1.6	5
61	Rhodiumâ€Catalyzed Câˆ’H Activation/Annulation of Aryl Hydroxamates with Benzothiadiazolâ€Containing Acetylenes: Access to Isoquinolineâ€Bridged Donorâ€Acceptor Luminophores. European Journal of Organic Chemistry, 2022, 2022, .	2.4	5
62	New Unsymmetrically Substituted Benzothiadiazole-Based Luminophores: Synthesis, Optical, Electrochemical Studies, Charge Transport, and Electroluminescent Characteristics. Molecules, 2021, 26, 7596.	3.8	5
63	Metal-carbenoid mediated CH-functionalization of pyrroles with methyl 2-diazo-3,3,3-trifluoropropionate. Russian Chemical Bulletin, 2015, 64, 1564-1568.	1.5	4
64	Fluorine-containing ruthenium-based olefin metathesis catalysts. Russian Chemical Reviews, 2021, 90, 419-450.	6.5	4
65	Trifluoromethylated 5-aminoderivatives of (indol-3-yl)acetic acid. Russian Chemical Bulletin, 2018, 67, 1459-1466.	1.5	3
66	Unusual multiple insertion of diazo carbonyl compounds into (purin-6-yl)benzene derivative. Mendeleev Communications, 2020, 30, 494-495.	1.6	3
67	Synthesis of Î±-CF3-substituted Î³,Î´-didehydro lysine derivatives. Mendeleev Communications, 2022, 32, 260-261.	1.6	3
68	Propargyl-Substituted Phosphonocarboxylates: Efficient Synthesis and Application to Click Chemistry. Synthesis, 2009, 2009, 3579-3588.	2.3	2
69	Half-sandwich complexes of group 9 metals with N,NÊ¹-ligands for CF3-carbenoid alkylation of N-(pyrimidin-2-yl)indole. Journal of Organometallic Chemistry, 2021, 946-947, 121899.	1.8	2
70	Ruthenium-catalyzed dimerization of CF3-containing functional allenes. Journal of Organometallic Chemistry, 2021, 951, 121998.	1.8	2
71	General Method of Synthesis of 5-(Het)arylamino-1,2,3-triazoles via Buchwaldâ€“Hartwig Reaction of 5-Amino- or 5-Halo-1,2,3-triazoles. Molecules, 2022, 27, 1999.	3.8	2
72	Methyl 3,3,3-trifluoro-2-diazopropionate for the synthesis of functionalized styrenes. Russian Chemical Bulletin, 2016, 65, 2668-2671.	1.5	1