Mekhman S Yusubov

List of Publications by Year
in descending order

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83 papers	2,843 citations	186265 28 h-index	189892 50 g-index
110 all docs	110 docs citations	110 times ranked	2729 citing authors

#	Article	IF	Citations
1	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. Chemical Science, 2022, 13, 5650-5658.	7.4	16
2	Efficient Catalytic Synthesis of Condensed Isoxazole Derivatives via Intramolecular Oxidative Cycloaddition of Aldoximes. Molecules, 2022, 27, 3860.	3.8	5
3	Zefirov's reagent and related hypervalent iodine triflates. Mendeleev Communications, 2021, 31, 282-287.	1.6	8
4	Zefirov's reagent and related hypervalent iodine triflates. Mendeleev Communications, 2021, 31, 282-287.	1.6	0
5	Preparation and Synthetic Applicability of Imidazole-Containing Cyclic Iodonium Salts. Journal of Organic Chemistry, 2021, 86, 7163-7178.	3.2	13
6	Preparation, Structure, and Reactivity of Pseudocyclic Î²â€Trifluorosulfonyloxy Vinylbenziodoxolone Derivatives. Advanced Synthesis and Catalysis, 2021, 363, 3365-3371.	4.3	9
7	Copperâ€Catalyzed Selective Nâ€Arylation of Oxadiazolones by Diaryliodonium Salts. Advanced Synthesis and Catalysis, 2021, 363, 3566-3576.	4.3	21
8	Bifurcated Halogen Bonding Involving Diaryliodonium Cations as Iodine(III)-Based Double-Ïƒ-Hole Donors. Crystal Growth and Design, 2021, 21, 1136-1147.	3.0	36
9	Convenient Synthesis of Benziodazolone: New Reagents for Direct Esterification of Alcohols and Amidation of Amines. Molecules, 2021, 26, 7355.	3.8	2
10	Iodonium imides in organic synthesis. Arkivoc, 2020, 2019, 228-255.	0.5	10
11	Benziodoxole-Derived Organosulfonates: The Strongest Hypervalent Iodine Electrophiles and Oxidants. Synlett, 2020, 31, 315-326.	1.8	8
12	Efficient Synthesis of Ï‰â€[¹⁸F]Fluoroaliphatic Carboxylic Esters and Acids for Positron Emission Tomography. European Journal of Organic Chemistry, 2020, 2020, 6375-6381.	2.4	1
13	New artificial network model to estimate biological activity of peat humic acids. Environmental Research, 2020, 191, 109999.	7.5	7
14	Iminoâ€λ 3 â€iodane and Catalytic Amount of I 2 â€Mediated Synthesis of N â€Allylsulfenamides via [2,3]â€Sigmatropic Rearrangement. European Journal of Organic Chemistry, 2020, 2020, 6433-6439.	2.4	4
15	Hypervalent iodine in the structure of N-heterocycles: synthesis, structure, and application in organic synthesis. Chemistry of Heterocyclic Compounds, 2020, 56, 854-866.	1.2	11
16	Halogen Bonding Provides Heterooctameric Supramolecular Aggregation of Diaryliodonium Thiocyanate. Crystals, 2020, 10, 230.	2.2	25
17	Can Plasmon Change Reaction Path? Decomposition of Unsymmetrical Iodonium Salts as an Organic Probe. Journal of Physical Chemistry Letters, 2020, 11, 5770-5776.	4.6	27
18	Diaryliodonium as a double Ïƒ-hole donor: the dichotomy of thiocyanate halogen bonding provides divergent solid state arylation by diaryliodonium cations. Organic Chemistry Frontiers, 2020, 7, 2230-2242.	4.5	44

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19	Synthesis of Oxazoline and Oxazole Derivatives by Hypervalent-Iodine-Mediated Oxidative Cycloaddition Reactions. Synthesis, 2020, 52, 2299-2310.	2.3	33
20	Thermal stability of N-heterocycle-stabilized iodanes â€“ a systematic investigation. Beilstein Journal of Organic Chemistry, 2019, 15, 2311-2318.	2.2	22
21	Hypervalent Iodine(III) Reagent Mediated Regioselective Cycloaddition of Aldoximes with Enaminones. European Journal of Organic Chemistry, 2019, 2019, 6682-6689.	2.4	15
22	2-Iodoxybenzoic acid ditriflate: the most powerful hypervalent iodine(<scp>v</scp>) oxidant. Chemical Communications, 2019, 55, 7760-7763.	4.1	23
23	Sulfonylimino Group Transfer Reaction Using Imino-Î»3-iodanes with I2 as Catalyst Under Metal-free Conditions. Molecules, 2019, 24, 979.	3.8	7
24	Synthesis of polydicyclopentadiene using the Cp₂TiCl₂/Et₂AlCl catalytic system and thin-layer oxidation of the polymer in air. Beilstein Journal of Organic Chemistry, 2019, 15, 733-745.	2.2	0
25	Flow Synthesis of Iodonium Trifluoroacetates through Direct Oxidation of Iodoarenes by OxoneÂ®. European Journal of Organic Chemistry, 2019, 2019, 2081-2088.	2.4	18
26	Reactions of 1â€Arylbenziodoxolones with Azide Anion: Experimental and Computational Study of Substituent Effects. European Journal of Organic Chemistry, 2018, 2018, 640-647.	2.4	9
27	Synthesis of Five-Membered Iodineâ€“Nitrogen Heterocycles from Benzimidazole-Based Iodonium Salts. Journal of Organic Chemistry, 2018, 83, 12056-12070.	3.2	22
28	Preparation, structure, and reactivity of bicyclic benziodazole: a new hypervalent iodine heterocycle. Beilstein Journal of Organic Chemistry, 2018, 14, 1016-1020.	2.2	10
29	Preparation and X-ray structure of 2-iodoxybenzenesulfonic acid (IBS) â€“ a powerful hypervalent iodine(V) oxidant. Beilstein Journal of Organic Chemistry, 2018, 14, 1854-1858.	2.2	12
30	Physicochemical Characterization and Antioxidant Activity of Humic Acids Isolated from Peat of Various Origins. Molecules, 2018, 23, 753.	3.8	54
31	Expedient Synthesis of Long-Chain Ï‰-Substituted Fatty Acids and Esters from Cyclic Ketones Using Iodine and Hydrogen Peroxide. Synthesis, 2018, 50, 4081-4088.	2.3	3
32	Plasmonâ€Assisted Activation and Grafting by Iodonium Salt: Functionalization of Optical Fiber Surface. Advanced Materials Interfaces, 2018, 5, 1800725.	3.7	26
33	One-pot synthesis of diaryliodonium salts from arenes and aryl iodides with Oxoneâ€“sulfuric acid. Beilstein Journal of Organic Chemistry, 2018, 14, 849-855.	2.2	25
34	Preparation and structure of phenolic aryliodonium salts. Chemical Communications, 2018, 54, 10363-10366.	4.1	12
35	A Robust Molecular Catalyst Generated Inâ€…Situ for Photoâ€•and Electrochemical Water Oxidation. ChemSusChem, 2017, 10, 862-875.	6.8	43
36	Facile One-Pot Synthesis of Diaryliodonium Salts from Arenes and Aryl Iodides with Oxone. ChemistryOpen, 2017, 6, 18-20.	1.9	18

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37	Pseudocyclic Arylbenziodoxaboroles: Efficient Benzyne Precursors Triggered by Water at Room Temperature. Chemistry - A European Journal, 2017, 23, 16738-16742.	3.3	39
38	Hypervalent Iodine Reagent Mediated Oxidative Heterocyclization of Aldoximes with Heterocyclic Alkenes. Journal of Organic Chemistry, 2017, 82, 11742-11751.	3.2	16
39	2â€Iodoxybenzoic Acid Tosylates: the Alternative to Dessâ€“Martin Periodinane Oxidizing Reagents. Advanced Synthesis and Catalysis, 2017, 359, 3207-3216.	4.3	15
40	Preparation, Structure, and Reactivity of Pseudocyclic Benziodoxole Tosylates: New Hypervalent Iodine Oxidants and Electrophiles. Chemistry - A European Journal, 2017, 23, 691-695.	3.3	25
41	Oxidative Cycloaddition of Aldoximes with Maleimides using Catalytic Hydroxy(aryl)iodonium Species. Advanced Synthesis and Catalysis, 2016, 358, 2340-2344.	4.3	27
42	Hypervalent Iodineâ€Catalyzed Synthesis of 1,2,4â€Oxadiazoles from Aldoximes and Nitriles. Asian Journal of Organic Chemistry, 2016, 5, 1128-1133.	2.7	25
43	Synthetic applications of pseudocyclic hypervalent iodine compounds. Organic and Biomolecular Chemistry, 2016, 14, 4771-4781.	2.8	77
44	Mild and efficient synthesis of iodylarenes using Oxone as oxidant. Tetrahedron Letters, 2016, 57, 4254-4256.	1.4	20
45	Preparation, X-ray Structures, Spectroscopic, and Redox Properties of Di- and Trinuclear Ironâ€“Zirconium and Ironâ€“Hafnium Porphyrinoclathrochelates. Inorganic Chemistry, 2016, 55, 11867-11882.	4.0	24
46	Investigation of the preparation and catalytic activity of supported Mo, W, and Re oxides as heterogeneous catalysts in olefin metathesis. Catalysis Reviews - Science and Engineering, 2016, 58, 113-156.	12.9	37
47	Self-assembled metalâ€“organic polyhedra: An overview of various applications. Coordination Chemistry Reviews, 2016, 306, 171-194.	18.8	193
48	Metalâ€“organic frameworks containing N-heterocyclic carbenes and their precursors. Coordination Chemistry Reviews, 2016, 307, 188-210.	18.8	107
49	Potassium 4-Iodylbenzenesulfonate (PIBS): An Efficient Recyclable Hypervalent Iodine Reagent for Iodo-functionalization of Alkenes, Alkynes and Ketones. Current Organic Synthesis, 2016, 13, 629-637.	1.3	3
50	Preparation, Xâ€ray Structure, and Reactivity of Triisopropylsilylâ€Substituted ArylÂiodonium Salts. European Journal of Organic Chemistry, 2015, 2015, 4831-4834.	2.4	8
51	Iodine catalysis: A green alternative to transition metals in organic chemistry and technology. Resource-efficient Technologies, 2015, 1, 49-67.	0.1	125
52	Preparation and X-ray Structural Study of Dibenziodolium Derivatives. Journal of Organic Chemistry, 2015, 80, 5783-5788.	3.2	44
53	Earth-abundant metal complexes as catalysts for water oxidation; is it homogeneous or heterogeneous?. Catalysis Science and Technology, 2015, 5, 4901-4925.	4.1	55
54	Hypoioditeâ€Mediated Catalytic Cyclopropanation of Alkenes with Malononitrile. Advanced Synthesis and Catalysis, 2014, 356, 3336-3340.	4.3	23

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55	Binuclear iron(III) octakis(perfluorophenyl)tetraazaporphyrin Î¼-oxodimer: a highly efficient catalyst for biomimetic oxygenation reactions. Tetrahedron Letters, 2014, 55, 5687-5690.	1.4	21
56	2-Iodoxybenzoic acid organosulfonates: preparation, X-ray structure and reactivity of new, powerful hypervalent iodine(v) oxidants. Chemical Communications, 2013, 49, 11269.	4.1	21
57	Preparation and X-ray Structural Study of 1-Arylbenziodoxolones. Journal of Organic Chemistry, 2013, 78, 3767-3773.	3.2	35
58	Applications of iodonium salts and iodonium ylides as precursors for nucleophilic fluorination in Positron Emission Tomography. Arkivoc, 2013, 2013, 364-395.	0.5	71
59	Hypervalent Iodine Reagents and Green Chemistry. Current Organic Synthesis, 2012, 9, 247-272.	1.3	172
60	Potassium 4â€Iodylbenzenesulfonate: Preparation, Structure, and Application as a Reagent for Oxidative Iodination of Arenes. European Journal of Organic Chemistry, 2012, 2012, 5935-5942.	2.4	27
61	Preparation and X-ray Crystal Study of Benziodoxaborole Derivatives: New Hypervalent Iodine Heterocycles. Inorganic Chemistry, 2011, 50, 11263-11272.	4.0	22
62	Preparation, X-ray Structure, and Reactivity of 2-Iodylpyridines: Recyclable Hypervalent Iodine(V) Reagents. Journal of Organic Chemistry, 2011, 76, 3812-3819.	3.2	35
63	Preparation and Reactivity of Polystyrene-Supported Iodosylbenzene: Convenient Recyclable Oxidizing Reagent and Catalyst. Synlett, 2011, 2011, 1613-1617.	1.8	12
64	Iodonium salts in organic synthesis. Arkivoc, 2011, 2011, 370-409.	0.5	219
65	Transition metal-mediated oxidations utilizing monomeric iodosyl- and iodylarene species. Tetrahedron, 2010, 66, 5745-5752.	1.9	77
66	Development of new recyclable reagents and catalytic systems based on hypervalent iodine compounds. Mendeleev Communications, 2010, 20, 185-191.	1.6	63
67	Hofmann Rearrangement of Carboxamides Mediated by Hypervalent Iodine Species Generated in Situ from Iodobenzene and Oxone: Reaction Scope and Limitations. Organic Letters, 2010, 12, 4644-4647.	4.6	85
68	A General and Convenient Preparation of [Bis(trifluoroacetoxy)iodo]perfluoroalkanes and [Bis(trifluoroacetoxy)iodo]arenes by Oxidation of Organic Iodides Using Oxone and Trifluoroacetic Acid. Journal of Organic Chemistry, 2010, 75, 2119-2122.	3.2	83
69	The first example of a domino Diels-Alder/retro-Diels-Alder reaction of 1,3-dienic Î´-sultones with alkynes: a simple synthesis of m-terphenyl dicarboxy derivatives from 4,6-diphenyl-[1,2]oxathiine 2,2-dioxide. Journal of Sulfur Chemistry, 2009, 30, 4-9.	2.0	11
70	Iodine(V)/Ruthenium(III)â€Cocatalyzed Oxidations: A Highly Efficient Tandem Catalytic System for the Oxidation of Alcohols and Hydrocarbons with Oxone. Chemistry - A European Journal, 2009, 15, 11091-11094.	3.3	49
71	m-Iodosylbenzoic Acid: Recyclable Hypervalent Iodine Reagent for Î±-Tosyloxylation and Î±-Mesyloxylation of Ketones. Synthetic Communications, 2009, 39, 3772-3784.	2.1	10
72	Self-Assembly of Hydroxy(phenyl)iodonium Ions in Acidic Aqueous Solution: Preparation, and X-ray Crystal Structures of Oligomeric Phenyliodine(III) Sulfates. Inorganic Chemistry, 2009, 48, 4908-4917.	4.0	38

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73	m-Iodosylbenzoic acid, a tagged hypervalent iodine reagent for the iodo-functionalization of alkenes and alkynes. Tetrahedron Letters, 2008, 49, 1506-1509.	1.4	25
74	Preparation and X-ray Structures of 3-[Bis(trifluoroacetoxy)iodo]benzoic Acid and 3-[Hydroxy(tosyloxy)iodo]benzoic Acid:â€‰ New Recyclable Hypervalent Iodine Reagents. Journal of Organic Chemistry, 2008, 73, 295-297.	3.2	42
75	m-Iodosylbenzoic Acid as a Convenient Recyclable Reagent for Highly ÂEfficient RuCl3-Catalyzed Oxidation of Alcohols to Carbonyl Compounds. Synlett, 2007, 2007, 0563-0566.	1.8	3
76	m-Iodosylbenzoic acid â€“ a convenient recyclable reagent for highly efficient aromatic iodinations. Beilstein Journal of Organic Chemistry, 2007, 3, 19.	2.2	13
77	Solventâ€Free Iodination of Arenes using Iodineâ€“Silver Nitrate Combination. Synthetic Communications, 2007, 37, 1259-1265.	2.1	22
78	Tagged Hypervalent Iodine Reagents:â€‰ A New Purification Concept Based on Ion Exchange through SN2 Substitution. Organic Letters, 2007, 9, 5199-5202.	4.6	17
79	Preparation and Structure of Oligomeric Iodosylbenzene Sulfate (PhIO)₃Â·SO₃: Stable and Waterâ€Soluble Analog of Iodosylbenzene. European Journal of Organic Chemistry, 2007, 2007, 4475-4478.	2.4	34
80	RuCl3-Catalyzed Oxidation of Iodoarenes with Peracetic Acid:Â New Facile Preparation of Iodylarenes. Journal of Organic Chemistry, 2006, 71, 9912-9914.	3.2	46
81	Highly efficient RuCl3-catalyzed disproportionation of (diacetoxyiodo)benzene to iodylbenzene and iodobenzene; leading to the efficient oxidation of alcohols to carbonyl compounds. Tetrahedron Letters, 2006, 47, 6305-6308.	1.4	49
82	Solvent-Free Reactions with Hypervalent Iodine Reagents.. ChemInform, 2005, 36, no.	0.0	0
83	Solvent-Free Reactions with Hypervalent Iodine Reagents. Organic Letters, 2005, 7, 519-521.	4.6	77