Shlomo Rozen

List of Publications by Year
in descending order

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48 papers	1,764 citations	218381 26 h-index	276539 41 g-index
57 all docs	57 docs citations	57 times ranked	1136 citing authors

#	Article	IF	Citations
1	Selective Fluorinations by Reagents Containing the OF Group. Chemical Reviews, 1996, 96, 1717-1736.	23.0	121
2	Oxidation of Sulfur-Containing Compounds with HOFÂ·CH3CN. Journal of Organic Chemistry, 1997, 62, 1457-1462.	1.7	94
3	From Azides to Nitro Compounds in a Few Seconds Using HOFÂ·CH3CN. Journal of the American Chemical Society, 2003, 125, 8118-8119.	6.6	85
4	Direct addition of elemental fluorine to double bonds. Journal of Organic Chemistry, 1986, 51, 3607-3611.	1.7	83
5	Elemental Fluorine:Â Not Only for Fluoroorganic Chemistry!. Accounts of Chemical Research, 1996, 29, 243-248.	7.6	80
6	Attaching the Fluorine Atom to Organic Molecules Using BrF3 and Other Reagents Directly Derived from F2. Accounts of Chemical Research, 2005, 38, 803-812.	7.6	68
7	Synthesis and chemistry of trifluoroacetyl hypofluorite with elemental fluorine. A novel method for synthesis of .alpha.-fluorohydrins. Journal of Organic Chemistry, 1980, 45, 672-678.	1.7	65
8	Olefin epoxidation using elemental fluorine. Journal of Organic Chemistry, 1990, 55, 5155-5159.	1.7	54
9	A Novel Carbonyl to CF2 Transformation Using BrF3. Journal of Organic Chemistry, 1994, 59, 2918-2918.	1.7	54
10	Elemental Fluorine and HOFÂ·CH 3 CN in Service of General Organic Chemistry. European Journal of Organic Chemistry, 2005, 2005, 2433-2447.	1.2	52
11	The Tetrazole 3-N-Oxide Synthesis. Journal of Organic Chemistry, 2010, 75, 3141-3143.	1.7	52
12	Epoxidation of Olefins with Elemental Fluorine in Water/Acetonitrile Mixtures. Angewandte Chemie International Edition in English, 1986, 25, 554-555.	4.4	51
13	Do [all]-S,Sâ€²-Dioxide Oligothiophenes Show Electronic and Optical Properties of Oligoenes and/or of Oligothiophenes?. Journal of the American Chemical Society, 2010, 132, 6231-6242.	6.6	51
14	Oxidation of aliphatic amines by HOF.cntdot.CH3CN complex made directly from fluorine and water. Journal of Organic Chemistry, 1992, 57, 7342-7344.	1.7	50
15	At Last, 1,10-Phenanthroline-N,Nâ€²-dioxide, A New Type of Helicene, has been Synthesized using HOFâ‹…CH3CN. Angewandte Chemie - International Edition, 1999, 38, 3471-3473.	7.2	50
16	Selective substitution of aliphatic remote tertiary hydrogens by fluorine. Journal of Organic Chemistry, 1987, 52, 4928-4933.	1.7	47
17	Isolation and characterization of methyl hypofluorite (CH3OF). Journal of the American Chemical Society, 1991, 113, 2648-2651.	6.6	47
18	Functionalization of aromatic molecules using HOF.cntdot.CH3CN and CH3OF. Journal of Organic Chemistry, 1993, 58, 1593-1595.	1.7	47

#	Article	IF	Citations
19	Chlorination, bromination and oxygenation of the pyridine ring using acetyl hypofluorite made from fluorine. Journal of Organic Chemistry, 1988, 53, 1123-1125.	1.7	46
20	From Alkyl Halides to Alkyltrifluoromethyls Using Bromine Trifluoride. Journal of Organic Chemistry, 2002, 67, 8430-8434.	1.7	41
21	Fluorination of Flavones and Chromones Using Elemental Fluorine. Journal of Organic Chemistry, 2014, 79, 7261-7265.	1.7	38
22	A new synthesis of trifluoromethyl sulfides utilizing thiocyanates and fluoroform. Journal of Fluorine Chemistry, 2014, 168, 173-176.	0.9	37
23	Oxidation of Electron-Deficient Sulfides to Sulfones Using HOF.cntdot.CH3CN. Journal of Organic Chemistry, 1995, 60, 6186-6187.	1.7	31
24	Poly(3-hexylthiophene) Nanoparticles Containing Thiophene-S,S-dioxide: Tuning of Dimensions, Optical and Redox Properties, and Charge Separation under Illumination. ACS Nano, 2017, 11, 1991-1999.	7.3	31
25	Selective Reactions of Bromine Trifluoride in Organic Chemistry. Advanced Synthesis and Catalysis, 2010, 352, 2691-2707.	2.1	30
26	The First, General, Highly Efficient Method for Preparing Tetrasubstituted Epoxides Using HOFÂ·CH3CN. European Journal of Organic Chemistry, 2003, 2003, 1915-1917.	1.2	29
27	Pyridineâ€¢BrF₃, the Missing Link for Clean Fluorinations of Aromatic Derivatives. Organic Letters, 2012, 14, 1114-1117.	2.4	29
28	The first general method for Î±-trifluoromethylation of carboxylic acids using BrF3. Chemical Communications, 2004, , 594-595.	2.2	27
29	Activation of tertiary paraffins by elemental fluorine. Tetrahedron Letters, 1984, 25, 449-452.	0.7	26
30	Constructing the CF3 group; unique trifluorodecarboxylation induced by BrF3. Tetrahedron, 2005, 61, 1083-1086.	1.0	25
31	Novel method for introduction of the perfluoroethoxy group using elemental fluorine. Synthesis and chemistry of fluoroxypentafluoroethane. Journal of Organic Chemistry, 1980, 45, 4122-4125.	1.7	23
32	New Conjugated Oligothiophenes Containing the Unique Arrangement of Internal Adjacent [All]â€S,Sâ€Oxygenated Thiophene Fragments. Chemistry - A European Journal, 2013, 19, 5289-5296.	1.7	23
33	Preparation of Alkyl and Aryl Chlorodifluoromethyl Ethers Using BrF₃. European Journal of Organic Chemistry, 2008, 2008, 2875-2880.	1.2	21
34	Measurement and optimization of organic chemical reaction yields by GCâ€“MS with supersonic molecular beams. Tetrahedron, 2012, 68, 5793-5799.	1.0	19
35	HOFÂ·CH3CN: Probably the Best Oxygen Transfer Agent Organic Chemistry Has To Offer. Accounts of Chemical Research, 2014, 47, 2378-2389.	7.6	19
36	Fluorination of Î±,Î²-unsaturated carbonyl compounds using elemental fluorine. Tetrahedron, 2016, 72, 632-636.	1.0	18

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37	Direct aromatic iodination using iodine fluoride prepared from iodine and fluorine. Journal of Organic Chemistry, 1988, 53, 1123-1123.	1.7	17
38	A General and Efficient Method To Convert Selenides into Selenones by Using HOFÂ·CH₃CN. European Journal of Organic Chemistry, 2013, 2013, 5574-5579.	1.2	13
39	Fluorination of Aryl Boronic Acids Using Acetyl Hypofluorite Made Directly from Diluted Fluorine. Journal of Organic Chemistry, 2013, 78, 11794-11797.	1.7	13
40	Carbon-13 NMR of tertiary fluorosteroids as a stereochemical probe. Magnetic Resonance in Chemistry, 1985, 23, 116-118.	1.1	12
41	Synthesis of diazafluorene- and diazafluorenone-N,Nâ€²-dioxides using HOFÂ·CH3CN. Tetrahedron, 2010, 66, 3297-3300.	1.0	12
42	Synthesis of N,N-Dioxopyridazines. Organic Letters, 2017, 19, 4707-4709.	2.4	12
43	The Formation of the Cï£¿F Bond: The Last Twelve Years. , 0, , 629-708.		6
44	New Oxidants Containing the O-F Moiety and Some of Their Uses in Organic Chemistry. ACS Symposium Series, 1991, , 56-67.	0.5	1
45	[All]â€S,Sâ€dioxide Oligoâ€Thienylenevinylenes: Synthesis and Structural/Electronic Shapes from Their Molecular Force Fields. Chemistry - A European Journal, 2019, 25, 464-468.	1.7	1
46	The Chemistry of Short-Lived Î±-Fluorocarbocations. Journal of Organic Chemistry, 2021, 86, 3882-3889.	1.7	1
47	Using fluoroform for constructing aromatic and heterocyclic trifluoromethylselenyl compounds. Journal of Fluorine Chemistry, 2021, 250, 109866.	0.9	1
48	Foreword by the Guest Editor. Israel Journal of Chemistry, 1999, 39, i-i.	1.0	0