Margherita Barbero

List of Publications by Year
in descending order

53 papers	1,160 citations	361413 20 h-index	454955 30 g-index
80 all docs	80 docs citations	80 times ranked	1085 citing authors

#	Article	IF	Citations
1	Reactions of Dry Arenediazoniumo-Benzenedisulfonimides with Triorganoindium Compounds. European Journal of Organic Chemistry, 2006, 2006, 4884-4890.	2.4	66
2	New Dry Arenediazonium Salts, Stabilized to an Exceptionally High Degree by the Anion of o-Benzenedisulfonimide. Synthesis, 1998, 1998, 1171-1175.	2.3	65
3	oâ€Benzenedisulfonimide as a Reusable BrÃ¸nsted Acid Catalyst for Ritterâ€Type Reactions. European Journal of Organic Chemistry, 2009, 2009, 430-436.	2.4	64
4	Halodediazoniations of Dry Arenediazoniumo-Benzenedisulfonimides in the Presence or Absence of an Electron Transfer Catalyst. Easy General Procedures To Prepare Aryl Chlorides, Bromides, and Iodidesâ€. Journal of Organic Chemistry, 1999, 64, 3448-3453.	3.2	49
5	Arenediazonium o-benzenedisulfonimides as efficient reagents for Heck-type arylation reactions. Tetrahedron, 2006, 62, 3146-3157.	1.9	46
6	A BrÃ¸nsted acid catalysed enantioselective Biginelli reaction. Green Chemistry, 2017, 19, 1529-1535.	9.0	46
7	A new practical synthesis of triaryl and trisindolylmethanes under solvent-free reaction conditions. Organic and Biomolecular Chemistry, 2011, 9, 8393.	2.8	44
8	o-Benzenedisulfonimide as a reusable BrÃ¸nsted acid catalyst for an efficient and facile synthesis of quinolines via FriedlÃnder annulation. Tetrahedron Letters, 2010, 51, 2342-2344.	1.4	36
9	o-Benzenedisulfonimide as a Soft, Efficient, and Recyclable Catalyst for the Acylation of Alcohols, Phenols, and Thiols under Solvent-Free Conditions: Advantages and Limitations. Synthesis, 2008, 2008, 3625-3632.	2.3	34
10	Pentaatomic heteroaromatic cations. 18. Acylation of pyrrole and N-methylpyrrole with 1,3-benzoxathiolium tetrafluoroborates. A high-yield method for the synthesis of diacylpyrroles. Journal of Organic Chemistry, 1988, 53, 2245-2250.	3.2	31
11	Preparation of Diazenes by Electrophilic C-Coupling Reactions of Dry Arenediazonium o-Benzenedisulfonimides with Grignard Reagents. Synthesis, 1998, 1998, 1235-1237.	2.3	31
12	o-Benzenedisulfonimide as a reusable acid catalyst for an easy, efficient, and green synthesis of tetrahydroisoquinolines and tetrahydro-Î²-carbolines through Pictetâ€“Spengler reaction. Tetrahedron Letters, 2010, 51, 6356-6359.	1.4	30
13	Alkyl- and Arylthiodediazoniations of Dry Arenediazoniumo-Benzenedisulfonimides. Efficient and Safe Modifications of the Stadler and Ziegler Reactions to Prepare Alkyl Aryl and Diaryl Sulfides. Journal of Organic Chemistry, 2000, 65, 5600-5608.	3.2	28
14	o-Benzenedisulfonimide and its chiral derivative as BrÃ¸nsted acids catalysts for one-pot three-component Strecker reaction. Synthetic and mechanistic aspects. Organic and Biomolecular Chemistry, 2012, 10, 4058.	2.8	26
15	o-Benzenedisulfonimide as Reusable BrÃ¸nsted Acid Catalyst for Acid-Catalyzed Organic Reactions. Synthesis, 2008, 2008, 1379-1388.	2.3	25
16	o-Benzenedisulfonimide as a Powerful and Recyclable Organocatalyst for the Nazarov Reaction. Synthesis, 2009, 2009, 2260-2266.	2.3	24
17	Copper-free Sandmeyer cyanation of arenediazonium o-benzenedisulfonimides. Organic and Biomolecular Chemistry, 2016, 14, 1437-1441.	2.8	24
18	Copperâ€•and Phosphaneâ€Free Sonogashira Coupling of Arenediazonium oâ€Benzenedisulfonimides. European Journal of Organic Chemistry, 2014, 2014, 598-605.	2.4	23

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19	Gold catalyzed Heck-coupling of arenediazonium o-benzenedisulfonimides. Organic and Biomolecular Chemistry, 2018, 16, 295-301.	2.8	23
20	An environmentally friendly Mukaiyama aldol reaction catalyzed by a strong BrÃ¸nsted acid in solvent-free conditions. Organic and Biomolecular Chemistry, 2011, 9, 2192.	2.8	22
21	Arenediazonium o-Benzenedisulfonimides in Heck-Type Arylation of Allylic Alcohols. Synthesis, 2006, 2006, 3443-3452.	2.3	21
22	Synthesis of Bench-Stable Diarylmethylium Tetrafluoroborates. Journal of Organic Chemistry, 2015, 80, 4791-4796.	3.2	21
23	o-Benzenedisulfonimide: A Novel and Reusable Catalyst for Acid-Catalyzed Organic Reactions. Synlett, 2007, 2007, 2209-2212.	1.8	20
24	Synthetic and Mechanistic Aspects of Acidâ€Catalyzed Disproportionation of Dialkyl Diarylmethyl Ethers: A Combined Experimental and Theoretical Study. European Journal of Organic Chemistry, 2009, 2009, 4346-4351.	2.4	20
25	Preparation and Characterization of Aryl or Heteroaryl(3-indolyl)methylium o-Benzenedisulfonimides. Journal of Organic Chemistry, 2012, 77, 4278-4287.	3.2	20
26	Synthesis of trimethyl .alpha.-keto trithioorthoesters and dimethyl .alpha.-keto dithioacetals by reaction of esters with tris(methylthio)methyllithium. Journal of Organic Chemistry, 1995, 60, 6017-6024.	3.2	19
27	Improved Procedure to Aryl Thiocyanates: A New Synthetic Application of Dry Arenediazonium o-Benzenedisulfonimides. Synthesis, 2001, 2001, 0585-0590.	2.3	19
28	O-Benzenedisulfonimide as a Reusable BrÃ¸nsted Acid Catalyst for Hetero-Michael Reactions. Synthetic Communications, 2013, 43, 758-767.	2.1	19
29	Chiral derivatives of 1,2-benzenedisulfonimide as efficient BrÃ¸nsted acid catalysts in the Strecker reaction. Organic and Biomolecular Chemistry, 2014, 12, 3902-3911.	2.8	18
30	A New Effective Synthesis of Arene Mono- and Disulfonyl Chlorides. Synlett, 2010, 2010, 1803-1806.	1.8	17
31	BrÃ¸nsted acid catalyzed enantio- and diastereoselective one-pot three component Mannich reaction. Tetrahedron: Asymmetry, 2015, 26, 1180-1188.	1.8	17
32	Solvent-free BrÃ¸nsted acid catalysed alkylation of arenes and heteroarenes with benzylic alcohols. Tetrahedron, 2014, 70, 1818-1826.	1.9	16
33	1-Aryl-3,3-dialkyltriazenes: A Convenient Synthesis from Dry Arenediazonium o-Benzenedisulfonimides - A High Yield Break Down to the Starting Dry Salts and Efficient Conversions to Aryl Iodides, Bromides and Chlorides. Synthesis, 2001, 2001, 2180-2190.	2.3	15
34	Convenient procedure for converting 1,3-dithiolane-2-thiones into 1,3-dithiolan-2-ones. Journal of the Chemical Society Perkin Transactions 1, 1996, , 289.	0.9	14
35	Reactions of Arenediazonium oâ€Benzenedisulfonimides with Aliphatic Triorganoindium Compounds. European Journal of Organic Chemistry, 2008, 2008, 862-868.	2.4	14
36	Synthesis of 3-aryl-4-methyl-1,2-benzenedisulfonimides, new chiral BrÃ¸nsted acids. A combined experimental and theoretical study. Tetrahedron, 2011, 67, 5789-5797.	1.9	14

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37	Negishi cross-coupling of arenediazonium o-benzenedisulfonimides. Tetrahedron, 2014, 70, 8010-8016.	1.9	13
38	Gold catalysed Suzuki-Miyaura coupling of arenediazonium o-benzenedisulfonimides. Tetrahedron, 2018, 74, 5758-5769.	1.9	13
39	Synthetic application of lithiated tris(methylthio)methane: preparation of aliphatic methyl thiolcarboxylates from the corresponding halides. Convenient synthesis of tris(methylthio)methane. Journal of the Chemical Society Perkin Transactions 1, 1993, , 2075.	0.9	12
40	o-Benzenedisulfonimide: An Organic Reagent and Organocatalyst of Renewed Interest. Current Organic Chemistry, 2011, 15, 576-599.	1.6	12
41	Organocatalyzed Asymmetric Alkylation of Stable Aryl or Heteroaryl(3â€indolyl)methylium oâ€Benzenedisulfonimides. Asian Journal of Organic Chemistry, 2015, 4, 337-345.	2.7	12
42	Copper catalysed Gomberg-Bachmann-Hey reactions of arenediazonium tetrafluoroborates and heteroarenediazonium o-benzenedisulfonimides. Synthetic and mechanistic aspects. Tetrahedron, 2020, 76, 131632.	1.9	12
43	N-Hydroxy-o-benzenedisulfonimide:Â A Misunderstood Selective Oxidizing Agent. Journal of Organic Chemistry, 1996, 61, 8762-8764.	3.2	10
44	Catalytic properties and acidity of 1,2-benzenedisulfonimide and some of its derivatives. An experimental and computational study. Tetrahedron, 2013, 69, 3212-3217.	1.9	10
45	The efficient o-benzenedisulfonimide catalysed synthesis of benzothiazoles, benzoxazoles and benzimidazoles. Arkivoc, 2013, 2012, 262-279.	0.5	8
46	o-Benzenedisulfonimide as a Reusable BrÃ¸nsted Acid Catalyst for Hosomi-Sakurai Reactions. Synthesis, 2010, 2010, 315-319.	2.3	7
47	A simple, direct synthesis of 3-vinylindoles from the carbocation-catalysed dehydrative cross-coupling of ketones and indoles. A combined experimental and computational study. Tetrahedron, 2019, 75, 363-373.	1.9	6
48	A Simple Preparation of Aryl Methanesulfonates by Thermal Decomposition of Dry Arenediazonium o-Benzenedisulfonimides in Methanesulfonic Acid. Synthesis, 1999, 1999, 90-93.	2.3	5
49	Palladium-Catalyzed Cross-Coupling Alkylation of Arenediazonium o-Benzenedisulfonimides. Synthesis, 2008, 2008, 474-478.	2.3	4
50	Mechanism of the solvent-free reactions between indole derivatives and 4-nitrobenzaldehyde studied by solid-state NMR and DFT calculations. CrystEngComm, 2012, 14, 6732.	2.6	4
51	Efficient alkylation of cyclic silyl enol ethers by diarylmethylium salts. Tetrahedron Letters, 2016, 57, 4758-4762.	1.4	4
52	Silica Gel-Immobilized 1,2-Benzenedisulfonimide: A New and Versatile BrÃ¸nsted Acid Heterogeneous Catalyst. ChemistrySelect, 2017, 2, 3178-3183.	1.5	2
53	Diastereoselective synthesis of 3-(Î±-aryl)alkenylindoles from the direct dehydrative coupling of indoles and ketones: A synthetic and theoretical study. Tetrahedron, 2020, 76, 131498.	1.9	2