

Tarek Sammakia

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

2,322
citations

28
h-index

48
g-index

51
ext. papers

2,510
ext. citations

7.2
avg. IF

4.75
L-index

#	Paper	IF	Citations
50	Total synthesis of FK506 and an FKBP probe reagent, [C(8),C(9)-13C2]-FK506. <i>Journal of the American Chemical Society</i> , 1990 , 112, 5583-5601	16.4	224
49	Highly Diastereoselective Ortho Lithiations of Chiral Oxazoline-Substituted Ferrocenes. <i>Journal of Organic Chemistry</i> , 1995 , 60, 10-11	4.2	191
48	A Lewis acid-mediated version of the Nicholas reaction: Synthesis of syn-alkylated products and cobalt-complexed cycloalkynes. <i>Journal of the American Chemical Society</i> , 1986 , 108, 3128-3130	16.4	144
47	Dynamic behavior of dicobalt hexacarbonyl propargyl cations and their reactions with chiral nucleophiles. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5749-5759	16.4	143
46	Transfer Hydrogenation with Ruthenium Complexes of Chiral (Phosphinoferrrocenyl)oxazolines. <i>Journal of Organic Chemistry</i> , 1997 , 62, 6104-6105	4.2	105
45	Ligand effects on the stereochemistry of the metalation of chiral ferrocenyloxazolines. <i>Journal of Organic Chemistry</i> , 1995 , 60, 6002-6003	4.2	103
44	New chiral ligands for the asymmetric copper catalyzed conjugate addition of Grignard reagents to enones. <i>Tetrahedron</i> , 1997 , 53, 16503-16510	2.4	100
43	The epoxidation of unsaturated macrolides. Stereocontrolled routes to ionophore subunits. <i>Journal of the American Chemical Society</i> , 1986 , 108, 2106-2108	16.4	90
42	On the Mechanism of Oxazoline-Directed Metalations: Evidence for Nitrogen-Directed Reactions. <i>Journal of Organic Chemistry</i> , 1996 , 61, 1629-1635	4.2	74
41	Evidence for an Oxocarbenium Ion Intermediate in Lewis Acid Mediated Reactions of Acyclic Acetals. <i>Journal of the American Chemical Society</i> , 1994 , 116, 7915-7916	16.4	73
40	Use of thiazoles in the halogen dance reaction: application to the total synthesis of WS75624 B. <i>Journal of Organic Chemistry</i> , 2004 , 69, 2381-5	4.2	68
39	Structural and synthetic studies of the spore germination autoinhibitor, gloeosporone. <i>Journal of the American Chemical Society</i> , 1988 , 110, 6210-8	16.4	63
38	Highly selective asymmetric acetate aldol reactions of an N-acetyl thiazolidinethione reagent. <i>Organic Letters</i> , 2004 , 6, 23-5	6.2	62
37	Direct evidence for an oxocarbenium ion intermediate in the asymmetric cleavage of chiral acetals. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10998-10999	16.4	57
36	Total synthesis of caerulomycin C via the halogen dance reaction. <i>Organic Letters</i> , 2002 , 4, 2385-8	6.2	45
35	Alpha-arylation of 3-aryloxindoles. <i>Organic Letters</i> , 2010 , 12, 2306-9	6.2	43
34	Kinetic resolution of alpha-acetoxy N-acyl oxazolidinethiones by a chiral O-nucleophilic acyl transfer catalyst. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13502-3	16.4	42

33	Synthesis of a new N-acetyl thiazolidinethione reagent and its application to a highly selective asymmetric acetate aldol reaction. <i>Organic Letters</i> , 2004 , 6, 3139-41	6.2	42
32	Using Structurally Well-Defined Norbornyl-Bridged Acene Dimers to Map a Mechanistic Landscape for Correlated Triplet Formation in Singlet Fission. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5961-5971	16.4	37
31	Studies on the Mechanism of Action of 2-Formyl-4-pyrrolidinopyridine: Isolation and Characterization of a Reactive Intermediate. <i>Journal of Organic Chemistry</i> , 1999 , 64, 4652-4664	4.2	37
30	Total synthesis of dermostatin A. <i>Journal of Organic Chemistry</i> , 2011 , 76, 7641-53	4.2	35
29	Studies relating to the synthesis of the immunosuppressive agent FK-506: application of the two-directional chain synthesis strategy to the pyranose moiety. <i>Journal of Organic Chemistry</i> , 1989 , 54, 15-16	4.2	35
28	Synthesis of methyl-1-(tert-butoxycarbonylamino)-2-vinylcyclopropanecarboxylate via a Hofmann rearrangement utilizing trichloroisocyanuric acid as an oxidant. <i>Journal of Organic Chemistry</i> , 2011 , 76, 277-80	4.2	34
27	Asymmetric Diels-Alder Reactions with α,β -Unsaturated Acetals. <i>Journal of Organic Chemistry</i> , 1994 , 59, 6890-6891	4.2	32
26	Toward the synthesis of (+)-peloruside A via an intramolecular vinylogous aldol reaction. <i>Organic Letters</i> , 2012 , 14, 178-81	6.2	29
25	Picolinic acid as a partner in the Mitsunobu reaction: Subsequent hydrolysis of picolinate esters under essentially neutral conditions with copper acetate in methanol. <i>Tetrahedron Letters</i> , 1999 , 40, 2685-2688	2	29
24	Mechanism of the Lewis acid mediated cleavage of chiral acetals. <i>Journal of Organic Chemistry</i> , 1992 , 57, 2997-3000	4.2	29
23	Kinetic resolution of protected α -amino acid derivatives by a chiral O-nucleophilic acyl transfer catalyst. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4230-1	16.4	28
22	O-nucleophilic amino alcohol acyl-transfer catalysts: the effect of acidity of the hydroxyl group on the activity of the catalyst. <i>Organic Letters</i> , 2003 , 5, 4105-8	6.2	27
21	2-Formyl-4-pyrrolidinopyridine (FPP): A New Catalyst for the Hydroxyl-Directed Methanolysis of Esters. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8967-8968	16.4	26
20	A mild synthesis of substituted furans from β -hydroxy- α -unsaturated ketones. <i>Tetrahedron Letters</i> , 1996 , 37, 6065-6068	2	23
19	Enhanced selectivities for the hydroxyl-directed methanolysis of esters using the 2-acyl-4-aminopyridine class of acyl transfer catalysts: ketones as binding sites. <i>Journal of Organic Chemistry</i> , 2000 , 65, 974-8	4.2	21
18	Double diastereoselective acetate aldol reactions with chiral N-acetyl thiazolidinethione reagents. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6262-5	4.2	20
17	Diastereoselective Diels-Alder Reactions via Cyclic Vinyloxocarbenium Ions. <i>Journal of Organic Chemistry</i> , 1995 , 60, 6652-6653	4.2	20
16	Modular Synthesis of Rigid Polyacene Dimers for Singlet Fission. <i>Organic Letters</i> , 2018 , 20, 457-460	6.2	19

15	Synthesis of N-Vinyl Nitrones via 1,4-Conjugate Elimination. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6930-6935	4.2	18
14	Remote asymmetric induction in an intramolecular ionic Diels-Alder reaction: application to the total synthesis of (+)-dihydrocompactin. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6504-5	16.4	18
13	Stereochemical studies of the skipped-polyol polyene macrolide class: NMR studies of a tetraformylal derivative of mycoticin A and B.. <i>Tetrahedron Letters</i> , 1987 , 28, 6005-6008	2	18
12	On the Use of Ferrocenyl Cations as Chiral Lewis Acids: Evidence for Protic Acid Catalysis. <i>Tetrahedron Letters</i> , 1995 , 36, 6867-6870	2	17
11	The Conversion of tert-Butyl Esters to Acid Chlorides Using Thionyl Chloride. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3245-3251	4.2	15
10	The vinylogous aldol reaction of unsaturated esters and enolizable aldehydes using the novel Lewis acid aluminum tris(2,6-di-2-naphthylphenoxide). <i>Organic Letters</i> , 2012 , 14, 2678-81	6.2	14
9	Application of the intramolecular Yamamoto vinylogous aldol reaction to the synthesis of macrolides. <i>Organic Letters</i> , 2007 , 9, 2103-6	6.2	14
8	Synthesis of Geometrically Well-Defined Covalent Acene Dimers for Mechanistic Exploration of Singlet Fission. <i>Journal of Organic Chemistry</i> , 2017 , 82, 4866-4874	4.2	13
7	Dihydroxylation and oxidative cleavage of olefins in the presence of sulfur. <i>Tetrahedron Letters</i> , 1996 , 37, 4427-4430	2	13
6	Select steroid hormone glucuronide metabolites can cause toll-like receptor 4 activation and enhanced pain. <i>Brain, Behavior, and Immunity</i> , 2015 , 44, 128-36	16.6	11
5	Highly selective reduction of acyclic beta-alkoxy ketones to protected syn-1,3-diols. <i>Organic Letters</i> , 2004 , 6, 3143-5	6.2	9
4	Regioselective Ring Opening of Di-isopropylsilylenes Derived from 1,3-Diols with Alkyl Lithium Reagents. <i>Organic Letters</i> , 2015 , 17, 5196-9	6.2	4
3	New inhibitors of colony spreading in <i>Bacillus subtilis</i> and <i>Bacillus anthracis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 5583-8	2.9	4
2	Doubly Vinylogous Aldol Reaction of Furoate Esters with Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , 2017 , 82, 759-764	4.2	3
1	Chapter 13 Functionalization of pyridines and thiazoles via the halogen-dance reaction, application to the total synthesis of caerulomycin c and WS75624 B. <i>Strategies and Tactics in Organic Synthesis</i> , 2005 , 6, 415-436	0.2	0