

Tarek Sammakia

List of Publications by Year in descending order

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51
papers

2,764
citations

186265

28
h-index

182427

51
g-index

51
all docs

51
docs citations

51
times ranked

1875
citing authors

#	ARTICLE	IF	CITATIONS
1	Total synthesis of FK506 and an FKBP probe reagent, [C(8),C(9)-13C2]-FK506. Journal of the American Chemical Society, 1990, 112, 5583-5601.	13.7	257
2	Highly Diastereoselective Ortho Lithiations of Chiral Oxazoline-Substituted Ferrocenes. Journal of Organic Chemistry, 1995, 60, 10-11.	3.2	222
3	A Lewis acid-mediated version of the Nicholas reaction: Synthesis of syn-alkylated products and cobalt-complexed cycloalkynes. Journal of the American Chemical Society, 1986, 108, 3128-3130.	13.7	170
4	Dynamic behavior of dicobalt hexacarbonyl propargyl cations and their reactions with chiral nucleophiles. Journal of the American Chemical Society, 1987, 109, 5749-5759.	13.7	164
5	Transfer Hydrogenation with Ruthenium Complexes of Chiral (Phosphinoferoecenyl)oxazolines. Journal of Organic Chemistry, 1997, 62, 6104-6105.	3.2	131
6	Ligand effects on the stereochemistry of the metalation of chiral ferrocenyloxazolines. Journal of Organic Chemistry, 1995, 60, 6002-6003.	3.2	121
7	New chiral ligands for the asymmetric copper catalyzed conjugate addition of Grignard reagents to enones. Tetrahedron, 1997, 53, 16503-16510.	1.9	114
8	The epoxidation of unsaturated macrolides. Stereocontrolled routes to ionophore subunits. Journal of the American Chemical Society, 1986, 108, 2106-2108.	13.7	100
9	On the Mechanism of Oxazoline-Directed Metalations: Evidence for Nitrogen-Directed Reactions. Journal of Organic Chemistry, 1996, 61, 1629-1635.	3.2	90
10	Evidence for an Oxocarbenium Ion Intermediate in Lewis Acid Mediated Reactions of Acyclic Acetals. Journal of the American Chemical Society, 1994, 116, 7915-7916.	13.7	86
11	Structural and synthetic studies of the spore germination autoinhibitor, gloeosporone. Journal of the American Chemical Society, 1988, 110, 6210-6218.	13.7	85
12	Use of Thiazoles in the Halogen Dance Reaction: Application to the Total Synthesis of WS75624 B. Journal of Organic Chemistry, 2004, 69, 2381-2385.	3.2	77
13	Direct evidence for an oxocarbenium ion intermediate in the asymmetric cleavage of chiral acetals. Journal of the American Chemical Society, 1992, 114, 10998-10999.	13.7	71
14	Highly Selective Asymmetric Acetate Aldol Reactions of an N-Acetyl Thiazolidinethione Reagent. Organic Letters, 2004, 6, 23-25.	4.6	70
15	Total Synthesis of Caerulomycin C via the Halogen Dance Reaction. Organic Letters, 2002, 4, 2385-2388.	4.6	58
16	Using Structurally Well-Defined Norbornyl-Bridged Acene Dimers to Map a Mechanistic Landscape for Correlated Triplet Formation in Singlet Fission. Journal of the American Chemical Society, 2019, 141, 5961-5971.	13.7	58
17	Synthesis of a New N-Acetyl Thiazolidinethione Reagent and Its Application to a Highly Selective Asymmetric Acetate Aldol Reaction. Organic Letters, 2004, 6, 3139-3141.	4.6	49
18	Studies on the Mechanism of Action of 2-Formyl-4-pyrrolidinopyridine: Isolation and Characterization of a Reactive Intermediate. Journal of Organic Chemistry, 1999, 64, 4652-4664.	3.2	46

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19	Kinetic Resolution of $\hat{1}\pm$ -AcetoxyN-Acyl Oxazolidinethiones by a Chiral O-Nucleophilic Acyl Transfer Catalyst. <i>Journal of the American Chemical Society</i> , 2005, 127, 13502-13503.	13.7	46
20	$\hat{1}\pm$ -Arylation of 3-Aryloxindoles. <i>Organic Letters</i> , 2010, 12, 2306-2309.	4.6	45
21	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.	3.2	42
22	Synthesis of Methyl-1-(<i>tert</i> -butoxycarbonylamino)-2-vinylcyclopropanecarboxylate via a Hofmann Rearrangement Utilizing Trichloroisocyanuric Acid as an Oxidant. <i>Journal of Organic Chemistry</i> , 2011, 76, 277-280.	3.2	39
23	Mechanism of the Lewis acid mediated cleavage of chiral acetals. <i>Journal of Organic Chemistry</i> , 1992, 57, 2997-3000.	3.2	36
24	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.	1.4	36
25	Total Synthesis of Dermostatin A. <i>Journal of Organic Chemistry</i> , 2011, 76, 7641-7653.	3.2	36
26	Asymmetric Diels-Alder Reactions with α,β -Unsaturated Acetals. <i>Journal of Organic Chemistry</i> , 1994, 59, 6890-6891.	3.2	35
27	Diastereoselective Diels-Alder Reactions via Cyclic Vinyloxocarbenium Ions. <i>Journal of Organic Chemistry</i> , 1995, 60, 6652-6653.	3.2	30
28	Toward the Synthesis of (+)-Peloruside A via an Intramolecular Vinylogous Aldol Reaction. <i>Organic Letters</i> , 2012, 14, 178-181.	4.6	30
29	A mild synthesis of substituted furans from $\hat{1}^3$ -hydroxy- $\hat{1}\pm$, $\hat{1}^2$ -unsaturated ketones. <i>Tetrahedron Letters</i> , 1996, 37, 6065-6068.	1.4	29
30	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, 4105-4108.	4.6	29
31	Kinetic Resolution of Protected $\hat{1}\pm$ -Amino Acid Derivatives by a Chiral O-Nucleophilic Acyl Transfer Catalyst. <i>Journal of the American Chemical Society</i> , 2006, 128, 4230-4231.	13.7	29
32	Modular Synthesis of Rigid Polyacene Dimers for Singlet Fission. <i>Organic Letters</i> , 2018, 20, 457-460.	4.6	28
33	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.	13.7	27
34	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, 974-978.	3.2	25
35	The Conversion of <i>tert</i> -Butyl Esters to Acid Chlorides Using Thionyl Chloride. <i>Journal of Organic Chemistry</i> , 2017, 82, 3245-3251.	3.2	25
36	Double Diastereoselective Acetate Aldol Reactions with Chiral N-Acetyl Thiazolidinethione Reagents. <i>Journal of Organic Chemistry</i> , 2006, 71, 6262-6265.	3.2	23

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37	Stereochemical studies of the skipped-polyol polyene macrolide class: NMR studies of a tetraformylal derivative of mycotycin A and B.. <i>Tetrahedron Letters</i> , 1987, 28, 6005-6008.	1.4	22
38	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, 6504-6505.	13.7	22
39	On the Use of Ferrocenyl Cations as Chiral Lewis Acids: Evidence for Protic Acid Catalysis. <i>Tetrahedron Letters</i> , 1995, 36, 6867-6870.	1.4	21
40	Synthesis of <i>N</i> -Vinyl Nitrones via 1,4-Conjugate Elimination. <i>Journal of Organic Chemistry</i> , 2015, 80, 6930-6935.	3.2	21
41	Synthesis of Geometrically Well-Defined Covalent Acene Dimers for Mechanistic Exploration of Singlet Fission. <i>Journal of Organic Chemistry</i> , 2017, 82, 4866-4874.	3.2	21
42	Application of the Intramolecular Yamamoto Vinylogous Aldol Reaction to the Synthesis of Macrolides. <i>Organic Letters</i> , 2007, 9, 2103-2106.	4.6	19
43	Dihydroxylation and oxidative cleavage of olefins in the presence of sulfur. <i>Tetrahedron Letters</i> , 1996, 37, 4427-4430.	1.4	17
44	The Vinylogous Aldol Reaction of Unsaturated Esters and Enolizable Aldehydes Using the Novel Lewis Acid Aluminum Tris(2,6-di- <i>n</i> -naphthylphenoxide). <i>Organic Letters</i> , 2012, 14, 2678-2681.	4.6	17
45	Highly Selective Reduction of Acyclic β -Alkoxy Ketones to Protected syn-1,3-Diols. <i>Organic Letters</i> , 2004, 6, 3143-3145.	4.6	15
46	Select steroid hormone glucuronide metabolites can cause toll-like receptor 4 activation and enhanced pain. <i>Brain, Behavior, and Immunity</i> , 2015, 44, 128-136.	4.1	13
47	Regioselective Ring Opening of Di-isopropylsilylenes Derived from 1,3-Diols with Alkyl Lithium Reagents. <i>Organic Letters</i> , 2015, 17, 5196-5199.	4.6	7
48	New inhibitors of colony spreading in <i>Bacillus subtilis</i> and <i>Bacillus anthracis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5583-5588.	2.2	4
49	Doubly Vinylogous Aldol Reaction of Furoate Esters with Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , 2017, 82, 759-764.	3.2	3
50	Identifying signatures of proteolytic stability and monomeric propensity in O-glycosylated insulin using molecular simulation. <i>Journal of Computer-Aided Molecular Design</i> , 2022, 36, 313-328.	2.9	2
51	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.	0.1	1