Luis SimÃ³n Rubio

List of Publications by Year
in descending order

63 papers	2,188 citations	304368 22 h-index	223531 46 g-index
69 all docs	69 docs citations	69 times ranked	2230 citing authors

#	Article	IF	Citations
1	An Enzyme Model Which Mimics Chymotrypsin and N-Terminal Hydrolases. ACS Catalysis, 2020, 10, 11162-11170.	5.5	14
2	BIMPâ€Catalyzed 1,3â€Prototropic Shift for the Highly Enantioselective Synthesis of Conjugated Cyclohexenones. Angewandte Chemie - International Edition, 2020, 59, 17417-17422.	7.2	24
3	Highly Enantioselective Extraction of Phenylglycine by a Chiral Macrocyclic Receptor Based on Supramolecular Interactions. Organic Letters, 2020, 22, 867-872.	2.4	10
4	Enantioselectivity in CPA-catalyzed Friedelâ€“Crafts reaction of indole and N-tosylimines: a challenge for guiding models. Organic and Biomolecular Chemistry, 2018, 16, 2225-2238.	1.5	11
5	The True Catalyst Revealed: The Intervention of Chiral Ca and Mg Phosphates in BrÃ¸nsted Acid Promoted Asymmetric Mannich Reactions. Journal of the American Chemical Society, 2018, 140, 5412-5420.	6.6	21
6	A cleft type receptor which combines an oxyanion hole with electrostatic interactions. Organic and Biomolecular Chemistry, 2017, 15, 4571-4578.	1.5	3
7	A molecular receptor selective for zwitterionic alanine. Organic and Biomolecular Chemistry, 2017, 15, 477-485.	1.5	14
8	Study of a new â€˜chiral protonâ€™ organocatalyst with hydrolase activity: application in azlactone racemic dynamic resolution. Tetrahedron: Asymmetry, 2017, 28, 819-823.	1.8	4
9	Phosphazene Catalyzed Addition to Electron-Deficient Alkynes: The Importance of Nonlinear Allenyl Intermediates upon Stereoselectivity. Journal of Organic Chemistry, 2017, 82, 3855-3863.	1.7	24
10	A Practical Guide for Predicting the Stereochemistry of Bifunctional Phosphoric Acid Catalyzed Reactions of Imines. Accounts of Chemical Research, 2016, 49, 1029-1041.	7.6	139
11	A bio-inspired enantioselective small-molecule artificial receptor for Î² adrenergic agonists and antagonists and its application for enantioselective extraction. Chemical Communications, 2016, 52, 12582-12585.	2.2	2
12	An Enantioselective Benzofuranâ€Based Receptor for Dinitrobenzoylâ€Substituted Amino Acids. European Journal of Organic Chemistry, 2016, 2016, 1541-1547.	1.2	6
13	A molecular receptor for zwitterionic phenylalanine. Organic and Biomolecular Chemistry, 2016, 14, 3906-3912.	1.5	7
14	QM/MM study on the enantioselectivity of spiroacetalization catalysed by an imidodiphosphoric acid catalyst: how confinement works. Organic and Biomolecular Chemistry, 2016, 14, 3031-3039.	1.5	24
15	A highly selective receptor for zwitterionic proline. Organic and Biomolecular Chemistry, 2016, 14, 1325-1331.	1.5	5
16	Origins of Asymmetric Phosphazene Organocatalysis: Computations Reveal a Common Mechanism for Nitro- and Phospho-Aldol Additions. Journal of Organic Chemistry, 2015, 80, 2756-2766.	1.7	30
17	Bifunctional organocatalysts based on a carbazole scaffold for the synthesis of the Hajosâ€“Wiechert and Wielandâ€“Miescher ketones. Tetrahedron, 2015, 71, 1297-1303.	1.0	16
18	Chiral recognition with a benzofuran receptor that mimics an oxyanion hole. Organic and Biomolecular Chemistry, 2015, 13, 493-501.	1.5	13

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19	A High Yield Procedure for the Preparation of 2â€Hydroxynitrostyrenes: Synthesis of Imines and Tetracyclic 1,3â€Benzoxazines. European Journal of Organic Chemistry, 2014, 2014, 3242-3248.	1.2	13
20	Preparation of cyclic boramides from salicylaldehydes, ammonium acetate and sodium borohydride. Tetrahedron, 2014, 70, 8614-8618.	1.0	5
21	Mechanism of Amination of Î²-Keto Esters by Azadicarboxylates Catalyzed by an Axially Chiral Guanidine: Acyclic Keto Esters React through an E Enolate. Journal of the American Chemical Society, 2012, 134, 16869-16876.	6.6	27
22	Hydrogen-bond stabilization in oxyanion holes: grand jetÃ© to three dimensions. Organic and Biomolecular Chemistry, 2012, 10, 1905.	1.5	37
23	A Model for the Enantioselectivity of Imine Reactions Catalyzed by BINOLâ€'Phosphoric Acid Catalysts. Journal of Organic Chemistry, 2011, 76, 1775-1788.	1.7	155
24	How reliable are DFT transition structures? Comparison of GGA, hybrid-meta-GGA and meta-GGA functionals. Organic and Biomolecular Chemistry, 2011, 9, 689-700.	1.5	212
25	Sulfonamide carbazole receptors for anion recognition. Organic and Biomolecular Chemistry, 2011, 9, 8321.	1.5	32
26	A Twitchell Reagent Revival: Biodiesel Generation from Low Cost Oils. Advanced Synthesis and Catalysis, 2011, 353, 2681-2690.	2.1	6
27	A Xantheneâ€“Benzimidazole Receptor with Multiple Hâ€Bond Donors for Carboxylic Acids. European Journal of Organic Chemistry, 2010, 2010, 6179-6185.	1.2	16
28	Imidazolidinone intermediates in prolinamide-catalyzed aldol reactions. Organic and Biomolecular Chemistry, 2010, 8, 2979.	1.5	33
29	Enzyme Catalysis by Hydrogen Bonds: The Balance between Transition State Binding and Substrate Binding in Oxyanion Holes. Journal of Organic Chemistry, 2010, 75, 1831-1840.	1.7	110
30	Synthesis of Monoacylated Derivatives of 1,2- Cyclohexanediamine. Evaluation of their Catalytic Activity in the Preparation of Wielandâ€'Miescher Ketone. Journal of Organic Chemistry, 2010, 75, 8303-8306.	1.7	39
31	Synthesis of a chiral artificial receptor with catalytic activity in Michael additions and its chiral resolution by a new methodology. Organic and Biomolecular Chemistry, 2010, 8, 1763.	1.5	18
32	DFT Study on the Factors Determining the Enantioselectivity of Friedelâ€'Crafts Reactions of Indole with N-Acyl and N-Tosylimines Catalyzed by BINOLâ€'Phosphoric Acid Derivatives. Journal of Organic Chemistry, 2010, 75, 589-597.	1.7	107
33	Daxabe â€“ A Xantheneâ€Based Fluorescent Sensor for 3,5â€Dinitrobenzoic Acid and Anions. European Journal of Organic Chemistry, 2009, 2009, 1009-1015.	1.2	10
34	A Highly Enantioselective Receptor for Carbamoyl Lactic Acid. European Journal of Organic Chemistry, 2009, 2009, 5350-5354.	1.2	8
35	Proline imidazolidinones and enamines in Hajosâ€“Wiechert and Wielandâ€“Miescher ketone synthesis. Tetrahedron, 2009, 65, 4841-4845.	1.0	40
36	Interaction between the N-terminal SH3 domain of NckÎ± and CD3É›-derived peptides: Non-canonical and canonical recognition motifs. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 110-117.	1.1	13

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37	Mechanism of BINOLâ^'Phosphoric Acid-Catalyzed Strecker Reaction of Benzyl Imines. Journal of the American Chemical Society, 2009, 131, 4070-4077.	6.6	105
38	What is the mechanism of amine conjugate additions to pyrazole crotonate catalyzed by thiourea catalysts?. Organic and Biomolecular Chemistry, 2009, 7, 483-487.	1.5	22
39	Enzyme Mimics for Michael Additions with Novel Proton Transport Groups. European Journal of Organic Chemistry, 2008, 2008, 2397-2403.	1.2	15
40	Selective acylation of 4,5-diamino-9,9â€²-dimethylxanthene through an aggregation effect. Tetrahedron Letters, 2008, 49, 790-793.	0.7	5
41	Thiourea versus the oxyanion hole as a double H-bond donor. Tetrahedron Letters, 2008, 49, 5050-5052.	0.7	24
42	Theoretical Study of the Mechanism of Hantzsch Ester Hydrogenation of Imines Catalyzed by Chiral BINOL-Phosphoric Acids. Journal of the American Chemical Society, 2008, 130, 8741-8747.	6.6	283
43	A Fluorescent Sensor for Dinitrobenzoic Acid Based on a Cyanuric Acid and Xanthene Skeleton. Sensors, 2008, 8, 1637-1644.	2.1	6
44	The Mechanism of TBD-Catalyzed Ring-Opening Polymerization of Cyclic Esters. Journal of Organic Chemistry, 2007, 72, 9656-9662.	1.7	184
45	From Theozymes to Artificial Enzymes: Enzymeâ€Like Receptors for Michael Additions with Oxyanion Holes and Active Amino Groups. European Journal of Organic Chemistry, 2007, 2007, 4821-4830.	1.2	24
46	Assessing the Protonation State of Drug Molecules:Â The Case of Aztreonam. Journal of Medicinal Chemistry, 2006, 49, 3235-3243.	2.9	13
47	Acridone Heterocycles as Fluorescent Sensors for Anions. Heterocycles, 2006, 69, 73.	0.4	24
48	Xanthone Receptors as Oxyanion-Hole Mimics in Artificial Enzymes. Helvetica Chimica Acta, 2005, 88, 1682-1701.	1.0	19
49	Urea-tetrahydrobenzoxanthene receptors for carboxylic acids. Tetrahedron, 2004, 60, 3755-3762.	1.0	12
50	Enantioselective Lutidine-Tetrahydrobenzoxanthene Receptors for Carboxylic Acids. European Journal of Organic Chemistry, 2004, 2004, 1698-1702.	1.2	4
51	A trans-Tetrahydrobenzoxanthene Receptor for the Resolution of Racemic Mixtures of Sulfonylamino Acids.. ChemInform, 2004, 35, no.	0.1	0
52	Ternary enantioselective complexes from Î±-amino acids, 18-crown-6 ether and a macrocyclic xanthone-based receptor. Tetrahedron Letters, 2004, 45, 4831-4833.	0.7	18
53	A trans-tetrahydrobenzoxanthene receptor for the resolution of racemic mixtures of sulfonylamino acids. Chemical Communications, 2004, , 426-427.	2.2	7
54	Aminopyridineâ^'Benzoxanthene Enantioselective Receptor for Sulfonylamino Acids. Organic Letters, 2004, 6, 1155-1157.	2.4	12

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55	Chromogenic Charge Transfer Cleft-Type Tetrahydrobenzoxanthene Enantioselective Receptors for Dinitrobenzoylamino Acids. Journal of Organic Chemistry, 2004, 69, 6883-6885.	1.7	8
56	A Xanthone-based Macrocyclic Receptor and Its Possible Applications. Heterocycles, 2004, 63, 2465.	0.4	4
57	A xanthone-based neutral receptor for zwitterionic amino acids. Tetrahedron Letters, 2003, 44, 6983-6985.	0.7	22
58	Enantioselective Chromenone Benzoxazole Receptor for Glutamic Acid and Its Derivatives. Journal of Organic Chemistry, 2003, 68, 7513-7516.	1.7	11
59	The Aggregation of 8-Formylamino-2-carboxamidochromenone Heterocycles in Solution. Heterocycles, 2003, 59, 41.	0.4	0
60	Enantioselective recognition of Î±-amino acid derivatives with a cis-tetrahydrobenzoxanthene receptorElectronic supplementary information (ESI) available: binding data. See http://www.rsc.org/suppdata/p2/b2/b203054c/. Perkin Transactions II RSC, 2002, , 1050-1052.	1.1	14
61	trans-Benzoxanthene receptors for enantioselective recognition of amino acid derivatives. Tetrahedron Letters, 2001, 42, 5853-5856.	0.7	15
62	Chiral Recognition of Diketopiperazines with Xanthone Receptors. Chemistry Letters, 2000, 29, 718-719.	0.7	5
63	A macrocyclic receptor for the chiral recognition of hydroxycarboxylates. Tetrahedron Letters, 2000, 41, 4563-4566.	0.7	84