

Jun-Long Zhang

List of Publications by Year in descending order

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111
papers

4,630
citations

81839

39
h-index

118793

62
g-index

120
all docs

120
docs citations

120
times ranked

5066
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in metal-based molecular probes for optical bioimaging and biosensing. <i>Current Opinion in Chemical Biology</i> , 2022, 66, 102097.	2.8	31
2	Gallium (III) Complexes in Cancer Chemotherapy. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	20
3	Gadolinium(III) Porphyrinoid Phototheranostics. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	1
4	Nonaromatic Organonickel(II) Phototheranostics. <i>Journal of the American Chemical Society</i> , 2022, 144, 7346-7356.	6.6	22
5	Bioinspired Design of <i>seco</i> -Chlorin Photosensitizers to Overcome Phototoxic Effects in Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
6	Bioinspired Design of <i>seco</i> -Chlorin Photosensitizers to Overcome Phototoxic Effects in Photodynamic Therapy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
7	Luminescent Metal Complexes for Bioassays in the Near-Infrared (NIR) Region. <i>Topics in Current Chemistry</i> , 2022, 380, .	3.0	8
8	Biomimetically constructing a hypoxia-activated programmable phototheranostics at the molecular level. <i>Chemical Science</i> , 2022, 13, 8979-8988.	3.7	8
9	Lanthanide porphyrinoids as molecular theranostics. <i>Chemical Society Reviews</i> , 2022, 51, 6177-6209.	18.7	34
10	Porpholactone Chemistry: Shining New Light on an Old Cofactor. <i>ChemPlusChem</i> , 2021, 86, 71-81.	1.3	2
11	Porpholactone Chemistry: Shining New Light on an Old Cofactor. <i>ChemPlusChem</i> , 2021, 86, 4-4.	1.3	1
12	Metal Modulation: An Easy-to-Implement Tactic for Tuning Lanthanide Phototheranostics. <i>Journal of the American Chemical Society</i> , 2021, 143, 7541-7552.	6.6	42
13	Construction of secondary coordination sphere boosts electrochemical CO ₂ reduction of iron porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 465-472.	0.4	8
14	Joining the journey to near infrared (NIR) imaging: the emerging role of lanthanides in the designing of molecular probes. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 289-299.	3.0	73
15	Stable group 8 metal porphyrin mono- and bis(dialkylcarbene) complexes: synthesis, characterization, and catalytic activity. <i>Chemical Science</i> , 2020, 11, 2243-2259.	3.7	32
16	Rational design of an "all-in-one" phototheranostic. <i>Chemical Science</i> , 2020, 11, 8204-8213.	3.7	41
17	A Gallium(III) Complex that Engages Protein Disulfide Isomerase A3 (PDIA3) as an Anticancer Target. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20147-20153.	7.2	32
18	A Gallium(III) Complex that Engages Protein Disulfide Isomerase A3 (PDIA3) as an Anticancer Target. <i>Angewandte Chemie</i> , 2020, 132, 20322-20328.	1.6	1

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19	Tri-Manganese(III) Salen-Based Cryptands: A Metal Cooperative Antioxidant Strategy that Overcomes Ischemic Stroke Damage <i>In Vivo</i> . <i>Journal of the American Chemical Society</i> , 2020, 142, 10219-10227.	6.6	35
20	Near Infrared (NIR) imaging: Exploring biologically relevant chemical space for lanthanide complexes. <i>Journal of Inorganic Biochemistry</i> , 2020, 209, 111118.	1.5	26
21	Split and Use: Structural Isomers for Diagnosis and Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 6761-6768.	6.6	58
22	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17413-17416.	7.2	19
23	Mimicking of Tunichlorin: Deciphering the Importance of a β^2 -Hydroxyl Substituent on Boosting the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2020, 10, 2177-2188.	5.5	24
24	Porpholactone Chemistry: An Emerging Approach to Bioinspired Photosensitizers with Tunable Near-Infrared Photophysical Properties. <i>Accounts of Chemical Research</i> , 2019, 52, 2620-2633.	7.6	69
25	Unusual near infrared (NIR) fluorescent palladium(II) macrocyclic complexes containing $\text{M}=\text{C}$ bonds with bioimaging capability. <i>Chemical Science</i> , 2019, 10, 10170-10178.	3.7	23
26	Near-infrared (NIR) lanthanide molecular probes for bioimaging and biosensing. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213028.	9.5	196
27	A proof-of-concept application of water-soluble ytterbium(III) molecular probes in <i>in vivo</i> NIR-II whole body bioimaging. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1962-1967.	3.0	39
28	Angstrom Scale Chemical Analysis of Metal Supported <i>Trans</i> - and <i>Cis</i> -Regioisomers by Ultrahigh Vacuum Tip-Enhanced Raman Mapping. <i>Nano Letters</i> , 2019, 19, 3267-3272.	4.5	46
29	Aromaticity versus regioisomeric effect of β^2 -substituents in porphyrinoids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10152-10162.	1.3	24
30	Orthogonally arranged tripyrrin-BODIPY conjugates with an edge to plane mode. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2266-2274.	2.3	14
31	An ultrafast BODIPY single molecular sensor for multi-analytes (acid/base/ Cu^{2+} / Bi^{3+}) with different sensing mechanism. <i>Dyes and Pigments</i> , 2019, 165, 279-286.	2.0	11
32	Fluorescence lifetime imaging of upper gastrointestinal pH <i>in vivo</i> with a lanthanide based near-infrared β^2 probe. <i>Chemical Science</i> , 2019, 10, 4227-4235.	3.7	72
33	Probing surface mediated configurations of nonplanar regioisomeric adsorbates using ultrahigh vacuum tip-enhanced Raman spectroscopy. <i>Nanoscale</i> , 2019, 11, 19877-19883.	2.8	20
34	Strong Fluorescent Lanthanide Salen Complexes: Photophysical Properties, Excited-State Dynamics, and Bioimaging. <i>Inorganic Chemistry</i> , 2019, 58, 1806-1814.	1.9	39
35	The design of rigid cyclic tripyrrins: the importance of intermolecular interactions on aggregation and luminescence. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1877-1885.	2.3	11
36	A simple and non-amplification platform for femtomolar DNA and microRNA detection by combining automatic gold nanoparticle enumeration with target-induced strand-displacement. <i>Biosensors and Bioelectronics</i> , 2018, 105, 137-142.	5.3	28

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37	Design of Near-Infrared Luminescent Lanthanide Complexes Sensitive to Environmental Stimulus through Rationally Tuning the Secondary Coordination Sphere. <i>Inorganic Chemistry</i> , 2018, 57, 1332-1341.	1.9	46
38	A luminescent aluminium salen complex allows for monitoring dynamic vesicle trafficking from the Golgi apparatus to lysosomes in living cells. <i>Chemical Science</i> , 2018, 9, 1931-1939.	3.7	23
39	Synthetic porphyrin chemistry in China. <i>Science China Chemistry</i> , 2018, 61, 511-514.	4.2	37
40	Highly luminescent, biocompatible ytterbium(Yb^{III}) complexes as near-infrared fluorophores for living cell imaging. <i>Chemical Science</i> , 2018, 9, 3742-3753.	3.7	101
41	Sulfur speciation defined subcellular localization of coumarin derivatives: Correlation of structural relationship to biological behaviors. <i>Chinese Chemical Letters</i> , 2018, 29, 267-270.	4.8	8
42	Multiplexed Detection of Attomoles of Nucleic Acids Using Fluorescent Nanoparticle Counting Platform. <i>Analytical Chemistry</i> , 2018, 90, 1376-1383.	3.2	38
43	Lutetium(Lu^{III}) porphyrinoids as effective triplet photosensitizers for photon upconversion based on triplet-triplet annihilation (TTA). <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2291-2299.	3.0	24
44	A Cryptand-Type Aluminum Tris(salophen) Complex: Synthesis, Characterization, and Cell Imaging Application. <i>Inorganics</i> , 2018, 6, 20.	1.2	2
45	Bioinspired Orientation of β -Substituents on Porphyrin Antenna Ligands Switches Ytterbium(III) NIR Emission with Thermosensitivity. <i>Inorganic Chemistry</i> , 2017, 56, 1897-1905.	1.9	31
46	Highly near-IR emissive ytterbium(Yb^{III}) complexes with unprecedented quantum yields. <i>Chemical Science</i> , 2017, 8, 2702-2709.	3.7	136
47	Three bilindione isomers: synthesis, characterization and reactivity of biliverdin analogs. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 727-737.	1.1	4
48	Enhancing the reactivity of nickel(Ni^{II}) in hydrogen evolution reactions (HERs) by β -hydrogenation of porphyrinoid ligands. <i>Chemical Science</i> , 2017, 8, 5953-5961.	3.7	64
49	Marriage of phthalocyanine chemistry with lanthanides: a single-ion magnet with a blocking temperature up to 25 K. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1950-1952.	3.0	5
50	β -Fluorinated porpholactones and metal complexes: synthesis, characterization and some spectroscopic studies. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1539-1545.	3.0	18
51	Evidence for Ultralow-Energy Vibrations in Large Organic Molecules. <i>Nano Letters</i> , 2017, 17, 4929-4933.	4.5	11
52	Precise Labeling and Tracking of Lipid Droplets in Adipocytes Using a Luminescent ZnSalen Complex. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2533-2538.	1.7	23
53	Introducing Metallosalens into Biological Studies: The Renaissance of Traditional Coordination Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5085-5093.	1.0	33
54	Luminescent metal salen complex as intracellular microviscosity fluorescent sensor. <i>Scientia Sinica Chimica</i> , 2017, 47, 267-276.	0.2	1

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55	Gadolinium(III) Porpholactones as Efficient and Robust Singlet Oxygen Photosensitizers. <i>Chemistry - A European Journal</i> , 2016, 22, 9676-9686.	1.7	61
56	A photoactivatable Zn salen complex for super-resolution imaging of mitochondria in living cells. <i>Chemical Communications</i> , 2016, 52, 11583-11586.	2.2	24
57	Manganese protoporphyrin IX reconstituted myoglobin capable of epoxidation of the C=C bond with Oxone [®] . <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1236-1244.	3.0	16
58	Rational Design of Fluorescent Phthalazinone Derivatives for One- and Two-Photon Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 12363-12370.	1.7	12
59	Discovery of a potent and highly specific $\hat{\text{I}}^2$ 2 proteasome inhibitor from a library of copper complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5780-5784.	1.0	8
60	Synthesis, characterization and reactivity of trans-dihydroxy platinum(IV) porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 785-792.	0.4	3
61	Constructing a Catalytic Cycle for C-F to C-X (X = O, S, N) Bond Transformation Based on Gold-Mediated Ligand Nucleophilic Attack. <i>Inorganic Chemistry</i> , 2016, 55, 2274-2283.	1.9	25
62	Cationic sulfonium functionalization renders Zn salens with high fluorescence, good water solubility and tunable cell-permeability. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3360-3368.	1.5	18
63	Stable iso-bacteriochlorin mimics from porpholactone: effect of a $\hat{\text{I}}^2$ -oxazolone moiety on the frontier $\hat{\text{I}}^2$ -molecular orbitals. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 671-677.	3.0	28
64	Fine-Tuning of $\hat{\text{I}}^2$ -Substitution to Modulate the Lowest Triplet Excited States: A Bioinspired Approach to Design Phosphorescent Metalloporphyrinoids. <i>Journal of the American Chemical Society</i> , 2015, 137, 10745-10752.	6.6	41
65	$\hat{\text{I}}^2$ -ionic Conjugated Chlorin-type Photosensitizers Based on Porpholactone: Synthesis, Photophysical Properties, and Photodynamic Activity. <i>ChemPlusChem</i> , 2015, 80, 237-252.	1.3	22
66	Tris(Zn salen) cryptand minimizes Zn salen aggregation arising from intermolecular Zn ²⁺ -O interaction. <i>Chinese Chemical Letters</i> , 2015, 26, 937-941.	4.8	9
67	Unravelling the correlation between metal induced aggregation and cellular uptake/subcellular localization of Zn salen: an overlooked rule for design of luminescent metal probes. <i>Chemical Science</i> , 2015, 6, 2389-2397.	3.7	52
68	Ytterbium(III) Porpholactones: $\hat{\text{I}}^2$ -Lactonization of Porphyrin Ligands Enhances Sensitization Efficiency of Lanthanide Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2014, 20, 4324-4333.	1.7	53
69	$\hat{\text{I}}^2$ -conjugation of gadolinium(III) DOTA complexes to zinc(II) porpholactol as potential multimodal imaging contrast agents. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 950-959.	0.4	22
70	Copper-sulfenate complex from oxidation of a cavity mutant of <i>Pseudomonas aeruginosa</i> azurin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 924-929.	3.3	46
71	Redesigning the Blue Copper Azurin into a Redox-Active Mononuclear Nonheme Iron Protein: Preparation and Study of Fe(II)-M121E Azurin. <i>Journal of the American Chemical Society</i> , 2014, 136, 12337-12344.	6.6	25
72	$\hat{\text{I}}^2$ -Lactonization of fluorinated porphyrin enhances LDL binding affinity, cellular uptake with selective intracellular localization. <i>Chemical Science</i> , 2014, 5, 558-566.	3.7	33

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73	Construction of an orthogonal ZnSalen/Salophen library as a colour palette for one- and two-photon live cell imaging. <i>Chemical Science</i> , 2014, 5, 2318.	3.7	66
74	Porphodilactones as Synthetic Chlorophylls: Relative Orientation of β^2 -Substituents on a Pyrrolic Ring Tunes NIR Absorption. <i>Journal of the American Chemical Society</i> , 2014, 136, 9598-9607.	6.6	73
75	Design of luminescent ZnSalen for molecular imaging. <i>Scientia Sinica Chimica</i> , 2014, 44, 191-203.	0.2	1
76	Light-induced protein translocation by genetically encoded unnatural amino acid in <i>Caenorhabditis elegans</i> . <i>Protein and Cell</i> , 2013, 4, 883-886.	4.8	5
77	Combining myeloperoxidase (MPO) with fluorogenic ZnSalen to detect lysosomal hydrogen peroxide in live cells. <i>Chemical Science</i> , 2013, 4, 2947.	3.7	49
78	Effect of distal histidines on hydrogen peroxide activation by manganese reconstituted myoglobin. <i>Metallomics</i> , 2013, 5, 828.	1.0	33
79	β^4 -Hydroxyl trinuclear copper(ii) clusters: reactivity and unusual formation in the three-component synthesis of 1,2,3-triazoles in aqueous media. <i>Dalton Transactions</i> , 2013, 42, 5390.	1.6	18
80	Copper-catalyzed Hydrodefluorination of Fluoroarenes by Copper Hydride Intermediates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3203-3207.	7.2	95
81	Porphothionolactones: synthesis, structure, physical, and chemical properties of a chemodosimeter for hypochlorite. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4613.	1.5	36
82	A sensitive and quantitative autolysosome probe for detecting autophagic activity in live and prestained fixed cells. <i>Autophagy</i> , 2013, 9, 894-904.	4.3	28
83	Ruthenium-catalyzed Oxidation of the Porphyrin β^2 -Pyrrolic Ring: A General and Efficient Approach to Porpholactones. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3509-3516.	2.1	47
84	Rational design of ZnSalen as a single and two photon activatable fluorophore in living cells. <i>Chemical Science</i> , 2012, 3, 3315.	3.7	57
85	A unique series of reversibly switchable fluorescent proteins with beneficial properties for various applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4455-4460.	3.3	120
86	π - π Interaction Assisted Hydrodefluorination of Perfluoroarenes by Gold Hydride: A Case of Synergistic Effect on C-F Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 16216-16227.	6.6	104
87	Iron(III) tetrakis(pentafluorophenyl)porpholactone catalyzes nitrogen atom transfer to C=C and C-H bonds with organic azides. <i>Dalton Transactions</i> , 2012, 41, 1457-1460.	1.6	56
88	Rational design of true monomeric and bright photoactivatable fluorescent proteins. <i>Nature Methods</i> , 2012, 9, 727-729.	9.0	436
89	Dual facet of gold(III) in the reactions of gold(III) and porphyrins. <i>Dalton Transactions</i> , 2012, 41, 3116.	1.6	33
90	Catalytic C-F Bond Activation of Perfluoroarenes by Tricoordinated Gold(I) Complexes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1529-1541.	2.1	67

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91	Molecular Assembly Directed by Metal–Aromatic Interactions: Control of the Aggregation and Photophysical Properties of Zn–Salen Complexes by Aromatic Mercuration. <i>Chemistry - A European Journal</i> , 2012, 18, 4242-4249.	1.7	25
92	Luminescent zinc salen complexes as single and two-photon fluorescence subcellular imaging probes. <i>Chemical Communications</i> , 2011, 47, 2435-2437.	2.2	106
93	The Important Role of Covalent Anchor Positions in Tuning Catalytic Properties of a Rationally Designed MnSalen-Containing Metalloenzyme. <i>ACS Catalysis</i> , 2011, 1, 1083-1089.	5.5	51
94	Aerobic Oxidation of Primary Alcohols Catalyzed by Copper Salts and Catalytically Active μ_4 -Hydroxyl-Bridged Trinuclear Copper Intermediate. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2371-2377. ^{2,1}		31
95	A Water-Soluble Ruthenium Glycosylated Porphyrin Catalyst for Carbenoid Transfer Reactions in Aqueous Media with Applications in Bioconjugation Reactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 1886-1894.	6.6	82
96	Noncovalent Modulation of pH-Dependent Reactivity of a Mn–Salen Cofactor in Myoglobin with Hydrogen Peroxide. <i>Chemistry - A European Journal</i> , 2009, 15, 7481-7489.	1.7	32
97	Protein scaffold of a designed metalloenzyme enhances the chemoselectivity in sulfoxidation of thioanisole. <i>Chemical Communications</i> , 2008, , 1665.	2.2	40
98	Oxidation Chemistry of Poly(ethylene glycol)-Supported Carbonylruthenium(II) and Dioxoruthenium(VI) meso-Tetrakis(pentafluorophenyl)porphyrin. <i>Chemistry - A European Journal</i> , 2006, 12, 3020-3031.	1.7	71
99	Dichlororuthenium(IV) Complex of meso-Tetrakis(2,6-dichlorophenyl)porphyrin: Active and Robust Catalyst for Highly Selective Oxidation of Arenes, Unsaturated Steroids, and Electron-Deficient Alkenes by Using 2,6-Dichloropyridine N-Oxide. <i>Chemistry - A European Journal</i> , 2005, 11, 3899-3914.	1.7	73
100	Hydrocarbon Oxidation by μ_2 -Halogenated Dioxoruthenium(VI) Porphyrin Complexes: Effect of Reduction Potential (Ru(VI)/IV) and C–H Bond-Dissociation Energy on Rate Constants. <i>Chemistry - A European Journal</i> , 2005, 11, 7040-7053.	1.7	56
101	Ruthenium(II) Porphyrin Catalyzed Cyclopropanation of Alkenes with Tosylhydrazones. <i>ChemInform</i> , 2004, 35, no.	0.1	0
102	Dendritic Metalloporphyrins as Catalysts for Organic Transformations. <i>ChemInform</i> , 2004, 35, no.	0.1	0
103	Chiral Ruthenium Porphyrin Encapsulated in Ordered Mesoporous Molecular Sieves (MCM-41 and Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 no.	0.1	0
104	Dendritic metalloporphyrins as catalysts for organic transformations. <i>Comptes Rendus Chimie</i> , 2003, 6, 1105-1115.	0.2	15
105	Ruthenium(II) porphyrin catalyzed cyclopropanation of alkenes with tosylhydrazones. <i>Tetrahedron Letters</i> , 2003, 44, 8733-8737.	0.7	60
106	Chiral ruthenium porphyrin encapsulated in ordered mesoporous molecular sieves (MCM-41 and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b2/b209276j/ . <i>Chemical Communications</i> , 2002, , 2906-2907.	2.2	69
107	PEG-Linked luminescent platinum(II) complex as aqueous polymeric molecular light switch for protein binding reactions Electronic supplementary information (ESI) available: general experimental procedure, synthesis and characterization of 1 and 2, titration experiments and urea unfolding of BSA. See http://www.rsc.org/suppdata/cc/b2/b207395a/ . <i>Chemical Communications</i> , 2002, , 2556-2557.	2.2	60
108	Dendritic Ruthenium Porphyrins: A New Class of Highly Selective Catalysts for Alkene Epoxidation and Cyclopropanation. <i>Chemistry - A European Journal</i> , 2002, 8, 1554-1562.	1.7	64

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109	Soluble Polymer-Supported Ruthenium Porphyrin Catalysts for Epoxidation, Cyclopropanation, and Aziridination of Alkenes. <i>Organic Letters</i> , 2002, 4, 1911-1914.	2.4	117
110	Soluble Polymer-Supported Ruthenium Porphyrin Catalysts for Epoxidation, Cyclopropanation, and Aziridination of Alkenes.. <i>ChemInform</i> , 2002, 33, 60-60.	0.1	0
111	Heterogeneous asymmetric addition of diethylzinc to aromatic aldehydes catalyzed by Ti(IV)/imine bridged poly(R)-binaphthol. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2449-2454.	1.8	39