

# Xiao-Xia Wang

## List of Publications by Year in descending order

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101  
papers

1,439  
citations

361413

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414414

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127  
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docs citations

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1573  
citing authors

#	ARTICLE	IF	CITATIONS
1	[M(Me6Tren)X]X complex as efficacious bifunctional catalyst for CO <sub>2</sub> cycloaddition: The synergism of the metal and halogen ions. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 61, 102048.	6.8	4
2	A facile electrosynthesis of N-acyl benzotriazoles from aldehydes and benzotriazole. <i>Tetrahedron Letters</i> , 2022, 101, 153904.	1.4	3
3	An Improved Synthesis of DOPO-POSS. <i>Organic Preparations and Procedures International</i> , 2022, 54, 380-385.	1.3	1
4	Three-dimensional organic cage with aggregation-induced delayed fluorescence. <i>Chinese Chemical Letters</i> , 2021, 32, 1017-1019.	9.0	9
5	Facile pinacol coupling of aliphatic ketones by Brook rearrangement in the presence of samarium species. <i>Tetrahedron Letters</i> , 2021, 72, 153069.	1.4	1
6	Azo-Functionalized Zirconium-Based Metal-Organic Polyhedron as an Efficient Catalyst for CO <sub>2</sub> Fixation with Epoxides. <i>Chemistry - A European Journal</i> , 2021, 27, 12890-12899.	3.3	8
7	Developments in the construction of cyclopropanols. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 191-204.	2.8	32
8	Electrochemical one-pot synthesis of five-membered azaheterocycles via [4 + 1] cyclization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3912-3917.	4.5	10
9	Metal-free synthesis of phosphinoylchroman-4-ones via a radical phosphinoylation-cyclization cascade mediated by K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> . <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1974-1982.	2.2	11
10	Metal-Free Direct C-H Carbonyl Alkylation of Heteroarenes with Cyclopropanols Mediated by K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> . <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2600-2604.	2.4	17
11	Self-assembled CoTiO <sub>3</sub> nanorods with controllable oxygen vacancies for the efficient photochemical reduction of CO <sub>2</sub> to CO. <i>Catalysis Science and Technology</i> , 2020, 10, 2040-2046.	4.1	22
12	Amino-Induced 2D Cu-Based Metal-Organic Framework as an Efficient Heterogeneous Catalyst for Aerobic Oxidation of Olefins. <i>Chemistry - A European Journal</i> , 2020, 26, 4333-4340.	3.3	18
13	The main factor to improve the performance of CoSe <sub>2</sub> for photocatalytic CO <sub>2</sub> reduction: element doping or phase transformation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4457-4463.	10.3	23
14	Amorphous Co-Mo-P-O Bifunctional Electrocatalyst via Facile Electrodeposition for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2835-2842.	6.7	56
15	Synthesis of chroman-4-one and indanone derivatives via silver catalyzed radical ring opening/coupling/cyclization cascade. <i>Tetrahedron</i> , 2019, 75, 130490.	1.9	17
16	Regioselective single-step synthesis of 2-aminoimidazole derivatives. <i>Tetrahedron Letters</i> , 2019, 60, 151122.	1.4	5
17	External oxidant-free oxidation/[3+2] cycloaddition/aromatization cascade: electrochemical synthesis of polycyclic N-heterocycles. <i>Chemical Communications</i> , 2019, 55, 8398-8401.	4.1	24
18	MOF-derived Co <sub>1.11</sub> Te <sub>2</sub> with half-metallic character for efficient photochemical conversion of CO <sub>2</sub> under visible-light irradiation. <i>Chemical Communications</i> , 2019, 55, 6862-6865.	4.1	21

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19	A facile one-pot synthesis of 2- o -cyanoaryl oxazole derivatives mediated by CuCN. Tetrahedron Letters, 2018, 59, 1409-1413.	1.4	12
20	Alternative Sm(II) Species-Mediated Cascade Coupling/Cyclization for the Synthesis of Oxobicyclo[3.1.0]hexane-1-ols. Organic Letters, 2018, 20, 530-533.	4.6	11
21	One-Pot Synthesis of 4-Sulfonyliminotetrahydropyrimidin-2-one Derivatives through a Copper-Catalyzed Tandem Reaction. Journal of Organic Chemistry, 2018, 83, 15533-15540.	3.2	10
22	Additive Tuned Selective Synthesis of Bicyclo[3.3.0]octan-1-ols and Bicyclo[3.1.0]hexan-1-ols Mediated by AllylSmBr. Journal of Organic Chemistry, 2018, 83, 8984-8994.	3.2	5
23	Dehydrochlorination of 1, 1, 2-trichloroethane over SiO <sub>2</sub> -supported alkali and transition metal catalysts: Tunable selectivity controlled by the acid - base properties of the catalysts. Applied Catalysis B: Environmental, 2018, 236, 368-376.	20.2	21
24	MeOH or H <sub>2</sub> O as efficient additive to switch the reactivity of allylSmBr towards carbonyl compounds. Tetrahedron Letters, 2017, 58, 1250-1253.	1.4	7
25	One-pot synthesis of thiazino[2,3,4-hi]indole derivatives through a tandem oxidative coupling/heteroannulation process. Chemical Communications, 2017, 53, 4718-4721.	4.1	18
26	SmI <sub>2</sub> -mediated reductive cyclization of $\hat{I}^2$ -arylthio ketones: a facile and diastereoselective synthesis of thiochroman derivatives. Organic and Biomolecular Chemistry, 2017, 15, 6157-6166.	2.8	10
27	[1+1] and [2+1] Additions on a (5,5) Single-Walled Carbon Nanotube with V <sub>1</sub> -V <sub>4</sub> Vacancies Based on Defect Curvature: A First Principles Study. Acta Chimica Sinica, 2017, 75, 284.	1.4	1
28	Curvature, vacancy size and chirality effects of mono- to octa-vacancies in zigzag single-walled carbon nanotubes. New Journal of Chemistry, 2016, 40, 8625-8631.	2.8	1
29	Facile and Selective Synthesis of Imidazobenzimidazoles <i>via</i> a Copper-Catalysed Domino Addition/Cycloisomerisation/ Coupling Process. Advanced Synthesis and Catalysis, 2016, 358, 653-660.	4.3	21
30	Highly Stable CsNO <sub>3</sub> /SiO <sub>2</sub> Catalysts for the Synthesis of Vinylidene Chloride Using a Gaseous Phase Method. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 510-518.	4.9	0
31	One-pot preparation of carbamoyl benzotriazoles and their applications in the preparation of ureas, hydrazinecarboxamides and carbamic esters. Journal of the Serbian Chemical Society, 2016, 81, 13-22.	0.8	0
32	Diastereoselective synthesis of cis-1,2-disubstituted cyclopropanols and cyclopent-3-enols via SmI <sub>2</sub> mediated C-N(Bt) bond cleavage. Tetrahedron Letters, 2015, 56, 3982-3987.	1.4	6
33	Efficient domino synthesis of benzimidazole derivatives: copper catalysis versus transition metal-free conditions. Tetrahedron Letters, 2015, 56, 1624-1630.	1.4	12
34	Highly selective gas-phase synthesis of 1,1-dichloroethylene from 1,1,2-trichloroethane over supported amine catalysts. Chemical Research in Chinese Universities, 2015, 31, 787-791.	2.6	5
35	One-Pot Synthesis of Pyrrolo[3,2,1-kl]phenothiazines through Copper-Catalyzed Tandem Coupling/Double Cyclization Reaction. Journal of Organic Chemistry, 2015, 80, 11108-11114.	3.2	33
36	Allylsamarium Bromide-Mediated Cascade Cyclization of Homoallylic Esters. Synthesis of 2-(2-Hydroxyalkyl)cyclopropanols and 2-(2-Hydroxyethyl)bicyclo[2.1.1]hexan-1-ols. Journal of Organic Chemistry, 2015, 80, 52-61.	3.2	18

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37	Synthesis of benzimidazo[2,1-b]benzothiazole derivatives through sequential Cu-catalyzed domino coupling and Pd-catalyzed Suzuki reaction. <i>Tetrahedron Letters</i> , 2014, 55, 3367-3373.	1.4	28
38	One-Pot Approach to 1,2-Disubstituted Indoles via Cu(II)-Catalyzed Coupling/Cyclization under Aerobic Conditions and Its Application for the Synthesis of Polycyclic Indoles. <i>Journal of Organic Chemistry</i> , 2014, 79, 9000-9008.	3.2	66
39	An efficient and facile synthesis of benzimidazo[1,2-a]benzimidazoles via copper-catalyzed domino addition/double cyclization. <i>RSC Advances</i> , 2014, 4, 21904-21908.	3.6	19
40	Synthesis of Polyketide Stereoarrays Enabled by a Traceless Oxonia $\rightarrow$ Cope Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11600-11604.	13.8	18
41	Copper-Catalyzed Domino Addition/Double Cyclization: An Approach to Polycyclic Benzimidazole Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 1749-1757.	3.2	59
42	Reactivity of AllylSmBr/HMPA: Facile Synthesis of 3-aryl-1,2,4-benzotriazines. <i>Chinese Journal of Chemistry</i> , 2013, 31, 143-148.	4.9	13
43	Copper-Catalyzed Domino S <sub>N</sub> 2/Coupling Reaction: A Versatile and Facile Synthesis of Cyclic Compounds from Baylis-Hillman Acetates. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1185-1192.	4.3	22
44	Study on the total synthesis of velbanamine: Chemoselective dioxygenation of alkenes with PIFA via a stop-and-flow strategy. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 983-990.	2.2	3
45	Preparation of 2-heteroatom substituted 4-oxo-4-arylbutanoates via thio- and aza-Michael addition. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 581-588.	0.8	4
46	Intriguing roles of reactive intermediates in dissociation chemistry of N-phenylcinnamides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7070.	2.8	18
47	Study on the coupling of acyclic esters with alkenes – the synthesis of 2-(2-hydroxyalkyl)cyclopropanols via cascade cyclization using allylsamarium bromide. <i>Chemical Communications</i> , 2012, 48, 11026.	4.1	17
48	Copper-catalyzed domino intramolecular cyclization: a facile and efficient approach to polycyclic indole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1602.	2.8	49
49	Copper-catalyzed one-pot synthesis of 2H-1,4-benzoxazin-3-(4H)-ones from 2-(o-haloaryloxy)acyl chlorides and primary amines. <i>Arkivoc</i> , 2012, 2012, 129-142.	0.5	3
50	FeCl <sub>3</sub> ·6H <sub>2</sub> O-Catalyzed Acceleration of the Acylation of Sodium Azide with N-Acylbenzotriazoles. <i>Synthetic Communications</i> , 2011, 41, 2461-2467.	2.1	8
51	Synthesis of $\beta$ -Glycosyl Thiols by Stereospecific Ring-Opening of 1,6-Anhydrosugars. <i>Journal of Organic Chemistry</i> , 2011, 76, 10187-10197.	3.2	41
52	Regioselective addition of thiophenol to $\beta,\beta$ -unsaturated N-acylbenzotriazoles. <i>Tetrahedron Letters</i> , 2011, 52, 4906-4910.	1.4	20
53	Selective substitution reactions of methoxycarbonylamino-(1-benzotriazolyl)alkanes with active methylene compounds. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 434-440.	2.6	2
54	Synthesis, Antiproliferative Activity and DNA-Binding Properties of Nitrogen and Sulfur Heterocyclic Norcantharidin Acylamide Acid. <i>Chinese Journal of Chemistry</i> , 2011, 29, 473-477.	4.9	4

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55	Investigation on the Se-Acylation with <i>N</i> -Acylbenzotriazoles. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 2047-2054.	1.6	3
56	Facile and efficient conjugate additions of $\alpha,\beta$ -dicarbonyl compounds and nitroalkanes to 4-aryl-4-oxobut-2-enoates. Journal of the Serbian Chemical Society, 2011, 76, 947-954.	0.8	2
57	Effects of NaCl on Pt/ZrO <sub>2</sub> catalysts for selective hydrogenation of crotonaldehyde. Applied Catalysis A: General, 2010, 388, 134-140.	4.3	19
58	Construction of 3-aryl-1,2,4-benzotriazines via unprecedented rearrangement of bis(benzotriazol-1-yl)methylarenes. Tetrahedron Letters, 2010, 51, 6763-6766.	1.4	16
59	Highly active CuO/OMS-2 catalysts for low-temperature CO oxidation. Chemical Engineering Journal, 2010, 162, 151-157.	12.7	86
60	Study of fragmentation pathways of lithiated $\alpha,\beta$ -unsaturated thioesters by electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 409-414.	1.5	12
61	Preparation of Manganese Oxide Octahedral Molecular Sieve and Catalytic Activity of Its Supported PdO for CO Oxidation. Chinese Journal of Catalysis, 2010, 31, 181-185.	14.0	3
62	SmI <sub>3</sub> -Catalyzed Addition of Amines to $\alpha,\beta$ -Unsaturated <i>N</i> -Acylbenzotriazoles. Synthetic Communications, 2009, 39, 819-829.	2.1	5
63	Trapping of Isocyanates with Benzotriazole in situ - Preparation of Carbamoyl Benzotriazoles as an Isocyanate Alternative via Curtius Rearrangement. Synlett, 2009, 2009, 2461-2464.	1.8	1
64	Synthesis, DNA-binding and antiproliferative activity of <i>N</i> -(Nitrogen heterocyclic) norcantharidin acylamide acid. Open Chemistry, 2009, 7, 569-575.	1.9	4
65	Studies on the oxidation properties of nanopowder CeO <sub>2</sub> -based solid solution catalysts for model soot combustion. Thermochimica Acta, 2008, 478, 45-50.	2.7	37
66	Features and applications of reactions of $\alpha,\beta$ -unsaturated <i>N</i> -acylbenzotriazoles with amino compounds. Tetrahedron, 2008, 64, 6510-6521.	1.9	26
67	Chemoselective Removal of Acyloxy in 1-(Benzotriazole-1-yl)alkyl Esters and Its Application in the Preparation of $\alpha$ -(Benzotriazole-1-yl)alcohols. Synthetic Communications, 2008, 38, 2908-2918.	2.1	8
68	Facile and Highly Regiospecific Synthesis of 2-Aryl-Substituted Pyrazolidin-3-ones from $\alpha,\beta$ -Unsaturated <i>N</i> -Acylbenzotriazoles and Arylhydrazines. Synthesis, 2008, 2008, 3223-3228.	2.3	12
69	Synthesis of 3-Indolylarylmethanamides by Samarium Triiodide Catalyzed Friedel-Crafts Amidoalkylation. Synthesis, 2008, 2008, 2582-2588.	2.3	2
70	Catalytic Conjugate Addition of Indoles to 4-Aryl-4-oxobut-2-enoates by FeCl <sub>3</sub> . Chemistry Letters, 2008, 37, 1284-1285.	1.3	4
71	Reductive Cross-Coupling between <i>N</i> -Acylbenzimidazoles and Diarylketones Promoted by Sm/TiCl <sub>4</sub> . Journal of Chemical Research, 2007, 2007, 14-15.	1.3	3
72	Substitution of Acyl for Acetyl with <i>N</i> -Acylbenzotriazoles Catalyzed by Samarium Triiodide. Synthetic Communications, 2007, 37, 1617-1625.	2.1	7

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73	Samarium Triiodide-Catalyzed Formation of Mannich-Type Products by Amidoalkylation of 1,3-Dicarbonyl Compounds. <i>Synthetic Communications</i> , 2007, 37, 3751-3758.	2.1	14
74	Enantioselective hydrogenation of olefins with axial chiral iridium QUINAP complex. <i>Tetrahedron Letters</i> , 2007, 48, 3915-3917.	1.4	33
75	Brønsted Acidic Ionic Liquid: An Efficient and Reusable Catalyst for the Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones. <i>Synthetic Communications</i> , 2006, 36, 1503-1513.	2.1	56
76	An Efficient Synthesis of $\alpha,\beta$ -Unsaturated Thiol Esters. <i>Journal of Chemical Research</i> , 2006, 2006, 64-66.	1.3	9
77	Highly regioselective Friedel-Crafts alkylation of indoles with $\alpha,\beta$ -unsaturated N-acylbenzotriazoles. <i>Tetrahedron Letters</i> , 2006, 47, 3767-3771.	1.4	19
78	Samarium Diiodide Promoted One-Pot Syntheses of Amides from Azides and Esters.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
79	A Facile Synthesis of Acylhydrazines from Acylbenzotriazoles.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
80	Remarkable rate acceleration of water-promoted nucleophilic substitution of Baylis-Hillman acetate: a facile and highly efficient synthesis of N-substituted imidazole. <i>Tetrahedron Letters</i> , 2005, 46, 5233-5237.	1.4	44
81	One-Pot Syntheses of Amides from N-Acylation of Nitroarenes with Esters Mediated by Samarium Diiodide.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
82	Reactions of Aroyl Chlorides with Samarium Metal in DMF-Controllable Syntheses of O-Aroylbenzoins, 1,2-Diarylethanones, and (Z)- $\alpha,\beta$ -Stilbenediol Dibenzoates.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
83	Remarkable Rate Acceleration of Water-Promoted Nucleophilic Substitution of Baylis-Hillman Acetate: A Facile and Highly Efficient Synthesis of N-Substituted Imidazole.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
84	Efficient Syntheses of $\alpha$ -Amino-N-acylbenzotriazoles and Cinnamides through Regioselective 1,4- or 1,2-Addition of Amines to N-Cinnamoylbenzotriazoles. <i>Synlett</i> , 2005, 2005, 3042-3046.	1.8	12
85	A Facile Synthesis of Acylhydrazines from Acylbenzotriazoles. <i>Journal of Chemical Research</i> , 2005, 2005, 595-597.	1.3	11
86	Direct and Highly Efficient Synthesis of (Z)-Allyl Iodides from Baylis-Hillman Adducts Promoted by TMSI/NaI System. <i>Synlett</i> , 2005, 2005, 1039-1041.	1.8	3
87	Reactions of Aroyl Chlorides with Samarium Metal in DMF-Controllable Syntheses of O-Aroylbenzoins, 1,2-Diarylethanones, and (Z)- $\alpha,\beta$ -Stilbenediol Dibenzoates. <i>Synthetic Communications</i> , 2004, 34, 4009-4022.	1.8	7
88	Samarium diiodide promoted one-pot syntheses of amides from azides and esters. <i>Journal of Chemical Research</i> , 2004, 2004, 484-485.	1.3	1
89	Substitution of the Benzotriazolyl Group in N-( $\alpha$ -Amidoalkyl)benzotriazoles and N-( $\alpha$ -Sulfonamidoalkyl)benzotriazoles with Allylsamarium Bromide.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
90	Elimination of Benzotriazolyl Group in N-( $\alpha$ -Benzotriazol-1-ylalkyl)amides and N-( $\alpha$ -Benzotriazol-1-ylalkyl)sulfonamides: Their Self-Coupling and Cross-Coupling Reactions with Carbonyl Compounds.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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91	One-Pot Syntheses of Amides from N-Acylation of Nitroarenes with Esters Mediated by Samarium Diiodide. <i>Synthetic Communications</i> , 2004, 34, 3001-3008.	2.1	13
92	SmI <sub>2</sub> -mediated facile syntheses of N-(2,2-dichlorovinyl)amides from acetates of chloralamide. <i>Journal of Chemical Research</i> , 2004, 2004, 738-739.	1.3	3
93	Samarium Diiodide Mediated Reductive Coupling of 2-Nitro-1,3-diphenyl-2-propen-1-one: Synthesis of Quinolines.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
94	Samarium Diiodide Promoted Formation of 1,2-Diketones and 1-Acylamido-2-substituted Benzimidazoles from N-Acylbenzotriazoles.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
95	Low-Valent Titanium Promoted Self-Coupling of N-Acylbenzotriazoles and Their Cross-Coupling with Diarylketones.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
96	Elimination of benzotriazolyl group in N-(1-benzotriazol-1-ylalkyl)amides and N-(1-benzotriazol-1-ylalkyl)sulfonamides: their self-coupling and cross-coupling reactions with carbonyl compounds. <i>Tetrahedron</i> , 2003, 59, 8257-8263.	1.9	13
97	Samarium diiodide promoted formation of 1,2-diketones and 1-acylamido-2-substituted benzimidazoles from N-acylbenzotriazoles. <i>Tetrahedron</i> , 2003, 59, 4201-4207.	1.9	29
98	Substitution of the Benzotriazolyl Group in N-(1-Amidoalkyl)benzotriazoles and N-(1-Sulfonamidoalkyl)benzotriazoles with Allylsamarium Bromide. <i>Synthetic Communications</i> , 2003, 33, 3575-3581.	2.1	14
99	Low-Valent Titanium Promoted Self-Coupling of N-Acylbenzotriazoles and Their Cross-Coupling with Diarylketones. <i>Synthetic Communications</i> , 2003, 33, 2627-2634.	2.1	12
100	SAMARIUM DIIODIDE MEDIATED REDUCTIVE COUPLING OF 2-NITRO-1,3-DIPHENYL-2-PROPEN- 1-ONE: SYNTHESIS OF QUINOLINES. <i>Synthetic Communications</i> , 2002, 32, 3617-3620.	2.1	5
101	Formation of 1,2-diketones by samarium diiodide promoted reaction of N-acylbenzotriazoles. <i>Tetrahedron Letters</i> , 2002, 43, 5431-5433.	1.4	24