

# Sheng-Jiao Yan

## List of Publications by Year in descending order

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82  
papers

1,939  
citations

257357

24  
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302012

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82  
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82  
docs citations

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times ranked

1290  
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient one-pot synthesis of heterocycle-fused 1,2,3-triazole derivatives as anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5225-5228.	1.0	112
2	Cascade Reaction of Isatins with Heterocyclic Ketene Aminals: Synthesis of Imidazopyrroloquinoline Derivatives. <i>Organic Letters</i> , 2011, 13, 4782-4785.	2.4	108
3	Heterocyclic Ketene Aminals: Scaffolds for Heterocycle Molecular Diversity. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1129-1145.	1.2	93
4	Three-component stereoselective synthesis of spirooxindole derivatives. <i>Green Chemistry</i> , 2013, 15, 453-462.	4.6	92
5	Three-component solvent-free synthesis of highly substituted bicyclic pyridines containing a ring-junction nitrogen. <i>Green Chemistry</i> , 2010, 12, 2043.	4.6	82
6	Cascade Reaction of Isatins with 1,1-Enediamines: Synthesis of Multisubstituted Quinoline-4-carboxamides. <i>Organic Letters</i> , 2018, 20, 660-663.	2.4	69
7	Facile Route to 1,3-Diazaheterocycle-Fused [1,2- <i>b</i> ]isoquinolin-1( <i>H</i> )-one Derivatives via Substitution-Cyclization Reactions. <i>ACS Combinatorial Science</i> , 2010, 12, 91-94.	3.3	58
8	An environmentally benign double Michael addition reaction of heterocyclic ketene aminals with quinone monoketals for diastereoselective synthesis of highly functionalized morphan derivatives in water. <i>Green Chemistry</i> , 2017, 19, 3574-3584.	4.6	54
9	Biological evaluation of polyhalo 1,3-diazaheterocycle fused isoquinolin-1( <i>2H</i> )-imine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1172-1180.	2.6	53
10	An environmentally benign, mild, and catalyst-free reaction of quinones with heterocyclic ketene aminals in ethanol: site-selective synthesis of rarely fused [1,2- <i>a</i> ]indolone derivatives via an unexpected anti-Nenitzescu strategy. <i>Green Chemistry</i> , 2014, 16, 4359-4370.	4.6	50
11	Three-Component Synthesis of Indanone-Fused Spirooxindole Derivatives. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4607-4613.	1.2	49
12	Organocatalyzed Photoredox Polymerization from Aromatic Sulfonyl Halides: Facilitating Graft from Aromatic C-H Bonds. <i>Macromolecules</i> , 2018, 51, 938-946.	2.2	42
13	Synthesis of novel tetracyclo-isocoumarins via AcOH-catalyzed cascade reaction of heterocyclic ketene aminals with 2,2-dihydroxy-2H-indene-1,3-dione. <i>Tetrahedron Letters</i> , 2011, 52, 465-467.	0.7	40
14	A Three-Component Catalyst-Free Approach to Regioselective Synthesis of Dual Highly Functionalized Fused Pyrrole Derivatives in Water/Ethanol Media: Thermodynamics versus Kinetics. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1155-1163.	3.2	39
15	Solvent-free, microwave assisted synthesis of polyhalo heterocyclic ketene aminals as novel anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 48-51.	1.0	36
16	Three-Component Site-Selective Synthesis of Highly Substituted 5-Chromeno-[4,3- <i>b</i> ]pyridines. <i>Journal of Organic Chemistry</i> , 2018, 83, 4981-4989.	1.7	36
17	An environmentally benign multi-component reaction: regioselective synthesis of fluorinated 2-aminopyridines using diverse properties of the nitro group. <i>Green Chemistry</i> , 2019, 21, 1505-1516.	4.6	34
18	Metal-Free Oxidative Thioesterification of Methyl Ketones with Thiols/Disulfides for the Synthesis of $\alpha$ -Ketothioesters. <i>Journal of Organic Chemistry</i> , 2018, 83, 14978-14986.	1.7	33

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19	One-Pot Synthesis of Highly Functionalized Bicyclic Imidazopyridinium Derivatives in Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1899-1905.	3.2	30
20	Regioselective construction of 1,3-diazaheterocycle fused [1,2-a][1,8]naphthyridine derivatives via cascade reaction of quinolines with heterocyclic ketene amins: a joint experimentalâ€“computational approach. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7276.	1.5	27
21	Inclusion complex of GA-13316 with $\beta$ -cyclodextrin: Preparation, characterization, molecular modeling, and in vitro evaluation. <i>Carbohydrate Polymers</i> , 2014, 111, 655-662.	5.1	26
22	Multicomponent Cascade Reaction by Metal-Free Aerobic Oxidation for Synthesis of Highly Functionalized 2-Amino-4-coumarinyl-5-arylpyrroles. <i>Journal of Organic Chemistry</i> , 2020, 85, 327-338.	1.7	26
23	Highly Diastereoselective Convergent Synthesis of Polycyclic Pyrroles with Consecutive Quaternary Stereocenters: Cascade Construction of Multiple Câ€“C and Câ€“Hetero Bonds. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2391-2398.	3.2	25
24	An environmentally benign cascade reaction of chromone-3-carboxaldehydes with ethyl 2-(pyridine-2-yl)acetate derivatives for highly site-selective synthesis of quinolizines and quinolizinium salts in water. <i>Green Chemistry</i> , 2020, 22, 6943-6953.	4.6	25
25	Multicomponent Cascade Reaction of 3-Formylchromones: Highly Selective Synthesis of Functionalized 9-Azabicyclo[3.3.1]nonane Derivatives. <i>Organic Letters</i> , 2021, 23, 6866-6871.	2.4	25
26	Catalyst-free cascade reaction of heterocyclic ketene amins with N-substituted maleimide to synthesise bicyclic pyrrolidinone derivatives. <i>RSC Advances</i> , 2014, 4, 27582-27590.	1.7	24
27	Beyond the Antagonism: Self-Labeled Xanthone Inhibitors as Modeled â€œTwo-in-Oneâ€•Drugs in Cancer Therapy. <i>ACS Omega</i> , 2017, 2, 873-889.	1.6	24
28	Cascade Reaction of Moritaâ€“Baylisâ€“Hillman Acetates with 1,1-Enediamines or Heterocyclic Ketene Amins: Synthesis of Highly Functionalized 2-Aminopyrroles. <i>Journal of Organic Chemistry</i> , 2019, 84, 1797-1807.	1.7	24
29	Inclusion complex of GA-13315 with cyclodextrins: Preparation, characterization, inclusion mode and properties. <i>Carbohydrate Polymers</i> , 2012, 89, 89-97.	5.1	23
30	Three-component solvent-free synthesis of highly substituted tetra-hydroimidazo[1,2-a]pyridines. <i>RSC Advances</i> , 2011, 1, 596.	1.7	22
31	A Novel Naphthyridine Derivative, 3u, Induces Necroptosis at Low Concentrations and Apoptosis at High Concentrations in Human Melanoma A375 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2975.	1.8	22
32	Synthesis of <i>N</i> -Sulfonyl Pyrazoles Through Cyclization Reactions of Sulfonyl Hydrazines with Enaminones Promoted by <i>p</i> -TSA. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1154-1159.	1.2	22
33	Multi-component solvent-free cascade reaction of 2-cyanoacetamides: regioselective synthesis of pyridin-2-ones bearing quaternary centers. <i>Green Chemistry</i> , 2020, 22, 256-264.	4.6	21
34	Multi-component cascade reaction of 3-formylchromones: highly selective synthesis of 4,5-dihydro-[4,5- $\beta$ -bipyrimidin]-6(1 <i>H</i> )-one derivatives. <i>Chemical Communications</i> , 2021, 57, 7657-7660.	2.2	21
35	An environmentally benign multi-component reaction: Highly regioselective synthesis of functionalized 2-(diarylphosphoryl)-1,2-dihydro-pyridine derivatives. <i>Green Synthesis and Catalysis</i> , 2022, 3, 59-68.	3.7	21
36	Catalyst-free concise synthesis of imidazo[1,2-a]pyrrolo[3,4-e]pyridine derivatives. <i>RSC Advances</i> , 2014, 4, 9926.	1.7	19

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37	Convenient Synthesis of Quinoline-4-carboxylate Derivatives through the Bi(OTf) <sub>3</sub> -Catalyzed Domino Cyclization/Esterification Reaction of Isatins with Enaminones in Alcohols. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4527-4535.	1.2	19
38	Three component solvent-free synthesis of 1H-pyrazol-5(4H)-one-based heterocyclic ketene amination derivatives. <i>RSC Advances</i> , 2013, 3, 13183.	1.7	18
39	Regioselective synthesis of 9,10-dihydro-6H-chromeno[4,3-d]imidazo-[1,2-a]pyridin-6-one derivatives. <i>RSC Advances</i> , 2014, 4, 6110.	1.7	18
40	Copper-catalyzed direct oxidative C(sp <sup>2</sup> )-H sulfenylation of enaminones with disulfides or thiophenols: Synthesis of polyfunctionalized aminothioalkenes. <i>Tetrahedron Letters</i> , 2018, 59, 1438-1442.	0.7	18
41	Multicomponent Tether Catalysis Synthesis of Highly Functionalized 4-(Pyridin-2-ylmethyl)-2-aminopyrroles via Cascade Reaction Is Accompanied by Decarboxylation. <i>Journal of Organic Chemistry</i> , 2019, 84, 11971-11982.	1.7	18
42	Cu(II)/Iodine(III) Oxide Dimerization of Heterocyclic Ketene Aminals: Tandem TEMPO Oxidation for the Highly Selective Synthesis of Functionalized 2-H-Pyrrolo[1,2-a]imidazol-7(3-H)-ones. <i>Organic Letters</i> , 2020, 22, 8210-8214.	2.4	18
43	Three-component cascade reaction synthesis of polycyclic 1,4-dihydropyridine derivatives in water. <i>Tetrahedron</i> , 2014, 70, 6578-6584.	1.0	16
44	Synthesis of fused polyhalogeno-7a-hydroxy-[1,2-a]indol-5-one derivatives. <i>Tetrahedron</i> , 2015, 71, 4084-4089.	1.0	16
45	Direct Oxidative Disulfenylation/Cyclization of 2-Hydroxyacetophenones with Thiophenols for the Synthesis of 2,2-Dithio-Benzofuran-3(2-H)-Ones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 49-54. <sup>2.1</sup>		16
46	Transition-Metal-Free C(sp <sup>2</sup> )-H Phosphorothiolation/Cyclization of 2-Hydroxyarylenaminones: Access to 3-Chromon Phosphorothioates. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1602-1606.	2.1	16
47	Enantioselective Epoxypyrrolidines via a Tandem Cycloaddition/Autoxidation in Air and Mechanistic Studies. <i>Organic Letters</i> , 2019, 21, 423-427.	2.4	15
48	Palladium(II)-catalyzed cyclization of heterocyclic ketene aminals with (E)-ethyl 2,3-diiodoacrylates: selective synthesis of bicyclic pyrroles and bicyclic pyridones. <i>Tetrahedron</i> , 2014, 70, 4478-4484.	1.0	14
49	Facile Route to the Synthesis of 1,3-Diazahetero-Cycle-Fused [1,2-a]Quinoline Derivatives via Cascade Reactions. <i>ACS Omega</i> , 2018, 3, 1126-1136.	1.6	14
50	Highly Selective Synthesis of 2-Amino-4,6-diarylpyridine Derivatives by the Cascade Reaction of 1,1-Enediamines with 1,2-Unsaturated Ketones. <i>Journal of Organic Chemistry</i> , 2019, 84, 1999-2011.	1.7	14
51	Multicomponent cascade reactions of HKAs: synthesis of highly functionalized 5-H-chromeno[4,3-d]pyrimidines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4508-4513.	2.3	14
52	Cascade reaction of isatins with nitro-substituted enamines: highly selective synthesis of functionalized (Z)-3-(1-(arylamino)-2-oxoarylidene)indolin-2-ones. <i>Chemical Communications</i> , 2020, 56, 3488-3491.	2.2	13
53	Synthesis and evaluation of the antitumor activity of highly functionalised pyridin-2-ones and pyrimidin-4-ones. <i>RSC Advances</i> , 2017, 7, 40067-40073.	1.7	12
54	Diastereoselective Synthesis of Morphan Derivatives by Michael and Hetero-Michael Addition of 1,1-Enediamines to Quinone Monoketals. <i>ACS Omega</i> , 2018, 3, 8-21.	1.6	12

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55	Synthesis and evaluation of the antitumor activity of polyhalo acridone derivatives. <i>RSC Advances</i> , 2015, 5, 17444-17450.	1.7	11
56	Silver-catalyzed cascade reactions of 3-cyanochromone with 1,1-enediamines: synthesis of highly functionalized 2-(pyridin-3-yl)-chromeno[2,3- <i>d</i> ]pyrimidines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2035-2039.	2.3	11
57	Regioselective synthesis of pyrrolo[1,2- <i>a</i> ]imidazoles and imidazo[1,2- <i>a</i> ]-pyridines. <i>RSC Advances</i> , 2015, 5, 36472-36479.	1.7	10
58	Synthesis of Quinone Methide Substituted Neonicotinoid Derivatives via 1,6-Conjugate Addition of <i>N</i> -Benzyl Nitro Ketene Aminals with <i>para</i> -Quinone Methides Accompanying Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8382-8389.	3.2	10
59	Synthesis of highly functionalized 2,4-diaminoquinazolines as anticancer and anti-HIV agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4432-4435.	1.0	9
60	Construction of C(sp <sup>2</sup> )–S and C(sp <sup>2</sup> )–Se bonds via a silver-mediated coupling reaction of heterocyclic ketene aminals with diaryl dichalcogenides. <i>RSC Advances</i> , 2014, 4, 26389-26397.	1.7	9
61	One-Pot Synthesis of Pyrimidines via Cyclocondensation of $\alpha$ -Bromovinyl Aldehydes with Amidine Hydrochlorides. <i>Helvetica Chimica Acta</i> , 2011, 94, 487-490.	1.0	8
62	Synthesis of bicyclic 2-pyridones by regioselective annulations of heterocyclic ketene aminals with anhydrides. <i>RSC Advances</i> , 2016, 6, 103057-103064.	1.7	8
63	Phosphatase CDC25B Inhibitors Produced by Basic Alumina-Supported One-Pot Gram-Scale Synthesis of Fluorinated 2-Alkylthio-4-aminoquinazolines Using Microwave Irradiation. <i>ACS Omega</i> , 2018, 3, 4534-4544.	1.6	8
64	Site-Selective Reaction of Enaminones and Enamine Esters for the Synthesis of Novel Diverse Morphan Derivatives. <i>ACS Omega</i> , 2018, 3, 5994-6005.	1.6	8
65	An Environmentally Benign Cascade Reaction of 1,1-Enediamines (EDAMs) for Site-Selective Synthesis of Highly Functionalized 2,10-Dihydro-1 <i>H</i> -imidazo[1,2- <i>a</i> ]pyrido[2,3- <i>b</i> ]indoles and Pyrroles. <i>Journal of Organic Chemistry</i> , 2021, 86, 5744-5756.	1.7	8
66	Synthesis and antimicrobial activity of polyhalo isophthalonitrile derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2399-2403.	1.0	7
67	An environmentally benign cascade reaction of 1,2,3-indantriones with ethyl 2-(pyridine-2-yl)acetates for site-selective synthesis of 5 <i>H</i> -isochromeno[4,3- <i>b</i> ]indolizin-5-ones. <i>Green Synthesis and Catalysis</i> , 2021, 2, 54-61.	3.7	7
68	A Convenient Synthesis of 3,7-Bisindole Derivatives. <i>Molecules</i> , 2016, 21, 638.	1.7	6
69	Microwave-Assisted Solvent-Free Synthesis of Highly Functionalized Pyrimidine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 877-882.	1.4	5
70	Selective Synthesis of Highly Functionalized Bicyclic Pyridinone and 1,3-Oxazinanone Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3442-3450.	1.2	5
71	Cascade Reaction of 1,1-Enediamines with 2-Benzylidene-1 <i>H</i> -indene-1,3( <i>2H</i> )-diones: Selective Synthesis of Indenodihydropyridine and Indenopyridine Compounds. <i>ACS Omega</i> , 2019, 4, 6637-6646.	1.6	5
72	Asymmetric Synthesis of All Four Isomers of an Unusual Heterocycle-Containing Amino Acid: 2-Amino-3-furan-2-ylpentanoic Acid. <i>Chinese Journal of Chemistry</i> , 2012, 30, 460-465.	2.6	3

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73	Synthesis of polyhalo 2-aryl-4-aminoquinazolines and 3-amino-indazoles as anti-cancer agents. RSC Advances, 2013, , .	1.7	3
74	Base-promoted relay reaction of heterocyclic ketene amins with o-difluorobenzene derivatives for the highly site-selective synthesis of functionalized indoles. Tetrahedron, 2021, 92, 132275.	1.0	3
75	Three-Component Cascade Reaction of 1,1-Enediamines, N,N-Dimethylformamide Dimethyl Acetal, and 1,3-Dicarbonyl Compounds: Selective Synthesis of Diverse 2-Aminopyridine Derivatives. ACS Omega, 2019, 4, 2863-2873.	1.6	2
76	One Step Synthesis of Fluorine-Containing Bicyclicpyridine Compounds. Chinese Journal of Organic Chemistry, 2015, 35, 1754.	0.6	2
77	1-(2,6-Difluorobenzoyl)-3-(2,3,5-trichlorophenyl)urea. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2102-o2102.	0.2	1
78	Multicomponent cascade reaction of 3-formylchromones: Highly regioselective synthesis of functionalized pyridin-2(1H)-ones. Green Synthesis and Catalysis, 2022, , .	3.7	1
79	An Environmentally Benign Multicomponent Cascade Reaction of 3-Formylchromones, 2-Naphthols, and Heterocyclic Ketal Amins: Site-Selective Synthesis of Functionalized Morphan Derivatives. Journal of Organic Chemistry, 0, , .	1.7	1
80	Simple Synthesis of Multi- $\alpha$ -Halogen Pyrazino[1,2-a]indole-1,8(2-H,5-H)-diones. Bulletin of the Korean Chemical Society, 2016, 37, 1593-1599.	1.0	0
81	An Isoquinolin-1(2H)-Imine Derivative Induces Cell Death via Generation of Reactive Oxygen Species and Activation of JNK in Human A549 Cancer Cells. Journal of Cellular Biochemistry, 2017, 118, 4394-4403.	1.2	0
82	Cascade Reactions Utilizing the Nucleophilic Properties of 1,1-Enediamines for the Regioselective Synthesis of 4-Aryl-2-Aminopyridines. ChemistrySelect, 2019, 4, 3083-3087.	0.7	0