

# Aliasghar Jarrahpour

## List of Publications by Year in descending order

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76  
papers

1,573  
citations

279798

23  
h-index

315739

38  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Antibacterial, Antifungal and Antiviral Activity Evaluation of Some New bis-Schiff Bases of Isatin and Their Derivatives. <i>Molecules</i> , 2007, 12, 1720-1730.	3.8	244
2	Recent advances in $\hat{\text{I}}^2$ -lactam synthesis. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6840-6852.	2.8	86
3	Petra, Osiris and Molinspiration (POM) together as a successful support in drug design: antibacterial activity and biopharmaceutical characterization of some azo Schiff bases. <i>Medicinal Chemistry Research</i> , 2012, 21, 1984-1990.	2.4	83
4	The Vilsmeier reagent: a useful and versatile reagent for the synthesis of 2-azetidinones. <i>Tetrahedron</i> , 2009, 65, 2927-2934.	1.9	65
5	Efficient one-pot synthesis of 2-azetidinones from acetic acid derivatives and imines using methoxymethylene-N,N-dimethyliminium salt. <i>Tetrahedron</i> , 2010, 66, 5017-5023.	1.9	54
6	Synthesis of Novel N-Sulfonyl Monocyclic $\hat{\text{I}}^2$ -Lactams as Potential Antibacterial Agents. <i>Molecules</i> , 2006, 11, 49-58.	3.8	53
7	The Vilsmeier reagent as an efficient acid activator for the synthesis of $\hat{\text{I}}^2$ -lactams. <i>Tetrahedron Letters</i> , 2007, 48, 8712-8714.	1.4	46
8	Synthesis of mono-, bis-spiro- and dispiro- $\hat{\text{I}}^2$ -lactams and evaluation of their antimalarial activities. <i>Tetrahedron</i> , 2011, 67, 8699-8704.	1.9	46
9	Synthesis of some mono- and bis-spiro- $\hat{\text{I}}^2$ -lactams of benzyliisatin. <i>Tetrahedron Letters</i> , 2007, 48, 7140-7143.	1.4	45
10	DMF-dimethyl sulfate as a new reagent for the synthesis of $\hat{\text{I}}^2$ -lactams. <i>Tetrahedron Letters</i> , 2009, 50, 1568-1570.	1.4	45
11	Synthesis and biological evaluation of some novel diastereoselective benzothiazole $\hat{\text{I}}^2$ -lactam conjugates. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 283-291.	5.5	43
12	Synthesis of Novel N-(4-Ethoxyphenyl) Azetidin-2-ones and Their Oxidative N-Deprotection by Ceric Ammonium Nitrate. <i>Molecules</i> , 2007, 12, 2364-2379.	3.8	40
13	Synthesis of novel $\hat{\text{I}}^2$ -lactams bearing an anthraquinone moiety, and evaluation of their antimalarial activities. <i>Tetrahedron</i> , 2012, 68, 4740-4744.	1.9	37
14	Computational evaluation and experimental in vitro antibacterial, antifungal and antiviral activity of bis-Schiff bases of isatin and its derivatives. <i>Medicinal Chemistry Research</i> , 2013, 22, 1203-1211.	2.4	34
15	Synthesis and characterization of $\hat{\text{I}}^2$ -lactam functionalized superparamagnetic $\text{Fe}_3\text{O}_4@ \text{SiO}_2$ nanoparticles as an approach for improvement of antibacterial activity of $\hat{\text{I}}^2$ -lactams. <i>RSC Advances</i> , 2016, 6, 43376-43387.	3.6	34
16	Diastereoselective synthesis of potent antimalarial cis- $\hat{\text{I}}^2$ -lactam agents through a $[2\hat{\text{A}}+2\hat{\text{A}}]$ cycloaddition of chiral imines with a chiral ketene. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 364-371.	5.5	33
17	Synthesis of Structurally Diverse 2-Azetidinones via Staudinger Reaction on a Solid Support. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 320-327.	3.2	31
18	Synthesis and biological evaluation of some new $\hat{\text{I}}^2$ -lactam-triazole hybrids. <i>Medicinal Chemistry Research</i> , 2016, 25, 149-162.	2.4	31

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19	Synthesis and evaluation of biological activities of tripodal imines and $\hat{I}^2$ -lactams attached to the 1,3,5-triazine nucleus. Monatshefte für Chemie, 2020, 151, 821-835.	1.8	31
20	Three-component synthesis of chromeno $\hat{I}^2$ -lactam hybrids for inflammation and cancer screening. European Journal of Medicinal Chemistry, 2019, 179, 389-403.	5.5	29
21	Synthesis of some novel indeno[1,2-b]quinoxalin spiro- $\hat{I}^2$ -lactam conjugates. Tetrahedron, 2017, 73, 1135-1142.	1.9	28
22	Synthesis of New <i>N</i> -Sulfonyl Monocyclic $\hat{I}^2$ -Lactams and the Investigation of Their Antibacterial Activities. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 287-297.	1.6	26
23	On-column N-dearylation of 2-azetidinones by silica-supported ceric ammonium nitrate. Tetrahedron, 2012, 68, 5505-5512.	1.9	26
24	Synthesis, docking and evaluation of in vitro anti-inflammatory activity of novel morpholine capped $\hat{I}^2$ -lactam derivatives. Bioorganic Chemistry, 2020, 102, 104091.	4.1	25
25	Synthesis and antimicrobial/antimalarial activities of novel naphthalimido trans- $\hat{I}^2$ -lactam derivatives. Medicinal Chemistry Research, 2017, 26, 2235-2242.	2.4	23
26	Design, synthesis and biological evaluation of some novel diastereoselective $\hat{I}^2$ -lactams bearing 2-mercaptobenzothiazole and benzoquinoline. Medicinal Chemistry Research, 2019, 28, 329-339.	2.4	20
27	Synthesis of Some New Mono- and Bis-Polycyclic Aromatic Spiro and Bis-Nonspiro- $\hat{I}^2$ -Lactams. Molecules, 2010, 15, 515-531.	3.8	18
28	Investigations of antiproliferative and antioxidant activity of $\hat{I}^2$ -lactam morpholino-1,3,5-triazine hybrids. Bioorganic and Medicinal Chemistry, 2020, 28, 115408.	3.0	18
29	Synthesis and antimalarial activity of new nanocopolymer $\hat{I}^2$ -lactams and molecular docking study of their monomers. Medicinal Chemistry Research, 2016, 25, 247-262.	2.4	17
30	Potent antiproliferative active agents: novel bis Schiff bases and bis spiro $\hat{I}^2$ -lactams bearing isatin tethered with butylene and phenylene as spacer and DNA/BSA binding behavior as well as studying molecular docking. Medicinal Chemistry Research, 2021, 30, 258-284.	2.4	17
31	Synthesis of Some Novel 3-Spiro Monocyclic $\hat{I}^2$ -Lactams and Their Antibacterial and Antifungal Investigations. Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 337-342.	1.5	16
32	Design, synthesis, activity evaluation and QSAR studies of novel antimalarial 1,2,3-triazolo- $\hat{I}^2$ -lactam derivatives. Journal of the Iranian Chemical Society, 2018, 15, 1311-1326.	2.2	16
33	Synthesis of new nanocopolymer containing $\hat{I}^2$ -lactams. Journal of the Iranian Chemical Society, 2014, 11, 75-83.	2.2	14
34	Synthesis of novel mono- and bis-Schiff bases of morpholine derivatives and the investigation of their antimalarial and antiproliferative activities. Medicinal Chemistry Research, 2015, 24, 4105-4112.	2.4	13
35	Synthesis, in-vitro biological evaluation, and molecular docking study of novel spiro- $\hat{I}^2$ -lactam-isatin hybrids. Medicinal Chemistry Research, 2022, 31, 1026-1034.	2.4	13
36	From Solution-Phase to $\hat{\sim}$ On-Column $\hat{\sim}$ ™ N-Dearylation of $\hat{I}^2$ -Lactams by Silica-Supported Ceric Ammonium Nitrate (CAN-SiO <sub>2</sub> ). Synlett, 2008, 2008, 381-385.	1.8	12

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37	The first report of [2+2] ketene-imine cycloaddition reactions (Staudinger) on carbon nanotubes. <i>Tetrahedron Letters</i> , 2012, 53, 2797-2801.	1.4	12
38	Sulfonamide- $\beta$ -lactam Hybrids Incorporating the Piperazine Moiety as Potential Antiinflammatory Agent with Promising Antibacterial Activity. <i>ChemistrySelect</i> , 2021, 6, 5313-5319.	1.5	11
39	Solid-Solid Phase and Solvent-Free Oxidative Removal of N-(4-Alkoxyphenyl) Groups of Monocyclic $\beta$ -lactams with Ceric Ammonium Nitrate as a Cheap, Simple, and Efficient Method. <i>Synthetic Communications</i> , 2008, 38, 1837-1845.	2.1	10
40	Synthesis of N-unsubstituted $\beta$ -lactams from N-alkoxyphenyl- $\beta$ -lactams with cobalt(III) fluoride. <i>Tetrahedron Letters</i> , 2010, 51, 5791-5794.	1.4	10
41	A Mild and Efficient Route to 2-Azetidinones Using the Cyanuric Chloride-DMF Complex. <i>Synlett</i> , 2011, 2011, 2572-2576.	1.8	10
42	Synthesis of some new monocyclic $\beta$ -lactams as antimalarial agents. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 2083-2092.	2.2	10
43	Ceric Ammonium Nitrate on Silica Gel for Solid-Solid Phase N-Dearylation of $\beta$ -Lactams. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 1738-1749.	1.6	9
44	A Simple and One-Pot Synthesis of $\beta$ -Lactams by Using the Vilsmeier Reagent. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 438-441.	2.6	9
45	Cytotoxicity, anticancer, and antioxidant properties of mono and bis-naphthalimido $\beta$ -lactam conjugates. <i>Medicinal Chemistry Research</i> , 2020, 29, 1355-1375.	2.4	8
46	Synthesis of New $\beta$ -Lactams Bearing the Biologically Important Morpholine Ring and POM Analyses of Their Antimicrobial and Antimalarial Activities. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 34-48.	0.5	8
47	3-(4-Chlorophenoxy)-1-(4-methoxyphenyl)-4-(4-nitrophenyl)azetidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1101-o1102.	0.2	7
48	3-(2,4-Dichlorophenoxy)-1-(4-methoxybenzyl)-4-(4-nitrophenyl)azetidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o835-o836.	0.2	7
49	Design, Synthesis, DNA Binding, Cytotoxicity, and Molecular Docking Studies of Amonafide-Linked $\beta$ -lactam. <i>ChemistrySelect</i> , 2019, 4, 2741-2746.	1.5	7
50	Argentite mediated N-dearylation of $\beta$ -lactams. <i>Tetrahedron Letters</i> , 2011, 52, 1192-1194.	1.4	5
51	3-(2,4-Dichlorophenoxy)-1-(4-methoxyphenyl)-4-(3-nitrophenyl)azetidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o183-o183.	0.2	4
52	Silphos as an efficient heterogeneous reagent for the synthesis of 2-azetidinones. <i>Heterocyclic Communications</i> , 2014, 20, 355-359.	1.2	4
53	Synthesis of Some New Monocyclic $\beta$ -Lactams Bearing a Morpholine Moiety at their N1 Positions as Antifungal Agents. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2010, 9, 205-219.	0.6	4
54	Crystal structure of 2-[(3S,4S)-4-(anthracen-9-yl)-1-(4-methoxyphenyl)-2-oxoazetidin-3-yl]-2-aza-2H-phenalene-1,3-dione unknown solvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o184-o185.	0.5	3

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55	Crystal structure of 2-[4-(4-chlorophenyl)-1-(4-methoxyphenyl)-2-oxoazetidin-3-yl]benzo[de]isoquinoline-1,3-dione dimethyl sulfoxide monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o129-o130.	0.5	3
56	Synthesis and Physical Characterization of 4-(anthracen-10-yl)-1-cyclohexyl-3-phenoxyazetidin-2-one as a New Trans 2-azetidinone. MolBank, 2007, 2007, M538.	0.5	2
57	1-[3-(Morpholin-4-yl)propyl]-4-(3-nitrophenyl)spiro[azetidine-3,9 $\hat{=}$ 2-xanthen]-2-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o369-o370.	0.2	2
58	(E)-N-(4-{[1-(Prop-2-en-1-yl)-1H-1,2,3-triazol-4-yl]methoxy}benzylidene)morpholin-4-amine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o289-o290.	0.2	2
59	(E)-N-(4-{[(Morpholin-4-yl)imino]methyl}benzonitrile. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o799-o799.	0.2	2
60	Crystal structure of (E)-N-(3,4-dimethoxybenzylidene)morpholin-4-amine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o935-o935.	0.2	2
61	Crystal structure of 4-[(E)-(4-nitrobenzylidene)amino]phenol. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o113-o114.	0.5	2
62	One-Pot Multicomponent Synthesis of $\hat{=}$ -Lactams via In Situ Generated Imines. ChemistrySelect, 2019, 4, 5950-5953.	1.5	2
63	Synthesis and Physical Characterization of (E)-1-(3-morpholinopropyl)-3-phenoxy-4-styrylazetidine-2-one as the First $\hat{=}$ -lactam Bearing a Morpholino Moiety. MolBank, 2007, 2007, M542.	0.5	1
64	Stereoselective Synthesis of a New cis Monocyclic $\hat{=}$ -lactam Bearing a Sugar Moiety at Its N1 Position and Its Physical Characterization. MolBank, 2007, 2007, M544.	0.5	1
65	1-[3-(Morpholin-4-yl)propyl]-3-[(naphthalen-2-yl)oxy]-4-(3-nitrophenyl)azetidin-2-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o833-o834.	0.2	1
66	(E)-Benzyl(4-{[1-(prop-2-en-1-yl)-1H-1,2,3-triazol-4-yl]methoxy}benzylidene)amine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o264-o264.	0.2	1
67	2-(3,5-Dioxo-4-azatricyclo[5.2.1.0 $\hat{=}$ ,6]dec-8-en-4-yl)acetic acid. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1404-o1404.	0.2	1
68	Diastereoselective Synthesis of Potent Antimalarial $\hat{=}$ -lactam Agents. Iranian Journal of Pharmaceutical Research, 2019, 18, 596-606.	0.5	1
69	Synthesis and Physical Characterization of 4-(anthracen-10-yl)-1-(4-methoxyphenyl)-3-phenoxyazetidin-2-one as a New Cis 2-azetidinone. MolBank, 2007, 2007, M539.	0.5	0
70	2-[(E)-(4-Methylphenyl)iminomethyl]-6-(morpholin-4-ylmethyl)phenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o147-o148.	0.2	0
71	Computational evaluation and experimental verification of antibacterial activity of some $\hat{=}$ -lactams: advantages and limitations. Medicinal Chemistry Research, 2013, 22, 1197-1202.	2.4	0
72	1-(Morpholin-4-yl)-4-(2-nitrophenyl)spiro[azetidine-3,9 $\hat{=}$ 2-xanthen]-2-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o772-o773.	0.2	0

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73	Crystal structure of {(E)-4-[(1-allyl-1H-1,2,3-triazol-4-yl)methoxy]benzylidene}[2-(morpholin-4-yl)ethyl]amine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o933-o934.	0.2	0
74	Crystal structure of (E)-1-(anthracen-9-ylmethylidene)[2-(morpholin-4-yl)ethyl]amine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1045-o1046.	0.2	0
75	Crystal structure of 1-(4-methoxyphenyl)-4-(4-nitrophenyl)-3-phenoxyazetidin-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o12-o13.	0.5	0
76	Crystal structure of 3-(4-chlorophenoxy)-4-(2-nitrophenyl)azetidin-2-one with an unknown solvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o8-o9.	0.5	0