Taleb H Al-Tel

List of Publications by Year
in descending order

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88	2,131	257357	265120
papers	citations	24 h-index	42 g-index

95	95	95	2624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design, synthesis and in vitro antimicrobial evaluation of novel Imidazo[1,2-a]pyridine and imidazo[2,1-b][1,3]benzothiazole motifs. European Journal of Medicinal Chemistry, 2011, 46, 1874-1881.	2.6	208
2	BACE1 inhibitors: Current status and future directions in treating Alzheimer's disease. Medicinal Research Reviews, 2020, 40, 339-384.	5.0	177
3	Structure activity relationship of phenolic acid inhibitors of ÃŽÂ±-synuclein fibril formation and toxicity. Frontiers in Aging Neuroscience, 2014, 6, 197.	1.7	103
4	Synthesis and antimicrobial activity of cholic acid hydrazone analogues. European Journal of Medicinal Chemistry, 2010, 45, 2307-2313.	2.6	97
5	Post Groebkeâ€“Blackburn multicomponent protocol: Synthesis of new polyfunctional imidazo[1,2-a]pyridine and imidazo[1,2-a]pyrimidine derivatives as potential antimicrobial agents. European Journal of Medicinal Chemistry, 2010, 45, 5848-5855.	2.6	82
6	Mutations in the Nonstructural Protein 3A Confer Resistance to the Novel Enterovirus Replication Inhibitor TTP-8307. Antimicrobial Agents and Chemotherapy, 2009, 53, 1850-1857.	1.4	68
7	Camptothecin's journey from discovery to WHO Essential Medicine: Fifty years of promise. European Journal of Medicinal Chemistry, 2021, 223, 113639.	2.6	63
8	Progress in Gelatin as Biomaterial for Tissue Engineering. Pharmaceutics, 2022, 14, 1177.	2.0	63
9	Actuation based on thermo/photosalient effect: a biogenic smart hybrid driven by light and heat. RSC Advances, 2014, 4, 7640-7647.	1.7	58
10	Rapid Assembly of Polyfunctional Structures Using a Oneâ€Pot Fiveâ€•and Sixâ€Component Sequential Groebkeâ€“Blackburn/Ugi/Passerini Process. European Journal of Organic Chemistry, 2010, 2010, 5586-5593.	1.2	52
11	Epigenetics and miRNA as predictive markers and targets for lung cancer chemotherapy. Cancer Biology and Therapy, 2015, 16, 1056-1070.	1.5	47
12	Design, Synthesis, and Qualitative Structureâ€“Activity Evaluations of Novel Î²-Secretase Inhibitors as Potential Alzheimerâ€™s Drug Leads. Journal of Medicinal Chemistry, 2011, 54, 8373-8385.	2.9	46
13	Modulation of DNA damage response and induction of apoptosis mediates synergism between doxorubicin and a new imidazopyridine derivative in breast and lung cancer cells. DNA Repair, 2016, 37, 1-11.	1.3	46
14	Stereocontrolled transformations of cyclohexadienone derivatives to access stereochemically rich and natural product-inspired architectures. Organic and Biomolecular Chemistry, 2020, 18, 8526-8571.	1.5	41
15	Fusicoccin Ring System by [4 + 4] Cycloaddition. Control of Diastereoselectivity through Hydrogen Bonding. Journal of the American Chemical Society, 1998, 120, 587-588.	6.6	39
16	Rational Design and Synthesis of Potent Dibenzazepine Motifs as Î²-Secretase Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 6484-6488.	2.9	35
17	The 3D Bioprinted Scaffolds for Wound Healing. Pharmaceutics, 2022, 14, 464.	2.0	35
18	Post-Ugi Cascade Transformations for Accessing Diverse Chromenopyrrole Collections. Organic Letters, 2018, 20, 836-839.	2.4	34

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19	Multidirectional desymmetrization of pluripotent building block en route to diastereoselective synthesis of complex nature-inspired scaffolds. Nature Communications, 2018, 9, 4989.	5.8	32
20	New Natural Colchicinoids: Indications of Two Possible Catabolic Routes for the Colchicine Alkaloids. Journal of Natural Products, 1990, 53, 623-629.	1.5	29
21	OSU-2S/Sorafenib Synergistic Antitumor Combination against Hepatocellular Carcinoma: The Role of PKCÎ´/p53. Frontiers in Pharmacology, 2016, 7, 463.	1.6	29
22	Synthesis ofÂaÂnew series ofÂheterocyclic scaffolds forÂmedicinal purposes. European Journal of Medicinal Chemistry, 2006, 41, 1017-1024.	2.6	28
23	Stereoselective synthesis of Î²-oxy- and Î±-methylene-Î³-butyrolactones on pyranose templates. Tetrahedron, 1993, 49, 9295-9306.	1.0	26
24	New Natural Dibenzocycloheptylamine Alkaloids: A Possible Catabolic Route for the Colchicine Alkaloids. Journal of Natural Products, 1991, 54, 936-940.	1.5	25
25	Synthesis of polyfunctionalized bis-annulated pyranosides: Useful intermediates for triquinane synthesis. Tetrahedron Letters, 1994, 35, 8581-8582.	0.7	25
26	Superbugs but no drugs: steps in averting a post-antibiotic era. Drug Discovery Today, 2019, 24, 2225-2228.	3.2	25
27	One-Pot Synthesis of Diverse Collections of Benzoxazepine and Indolopyrazine Fused to Heterocyclic Systems. Journal of Organic Chemistry, 2019, 84, 934-948.	1.7	25
28	Palladiumâ^'Cobalt-Mediated Double Annulation Process:Â A New Strategy to Chiral and Polysubstituted Bis-Cyclopentanoids on Carbohydrate Precursors. Journal of Organic Chemistry, 1996, 61, 3250-3255.	1.7	24
29	Sequencing [4 + 1]-Cycloaddition and Aza-Michael Addition Reactions: A Diastereoselective Cascade for the Rapid Access of Pyrido[2â€²,1â€²:2,3]/Thiazolo[2â€²,3â€²:2,3]imidazo[1,5-a]quinolone Scaffolds as Potential Antibacterial and Anticancer Motifs. Journal of Organic Chemistry, 2019, 84, 14476-14486.	1.7	23
30	Can 4D bioprinting revolutionize drug development?. Expert Opinion on Drug Discovery, 2019, 14, 953-956.	2.5	22
31	Design, synthesis and SAR analysis of potent BACE1 inhibitors: Possible lead drug candidates for Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 125, 1213-1224.	2.6	21
32	A facile approach to polysubstituted chiral dihydrofurans on carbohydrate templates. Journal of the Chemical Society Chemical Communications, 1994, , 1735.	2.0	19
33	Design and synthesis of novel tetrahydro-2H-Pyrano[3,2-c]Pyridazin-3(6H)-one derivatives as potential anticancer agents. European Journal of Medicinal Chemistry, 2010, 45, 5724-5731.	2.6	19
34	Design, synthesis and biological evaluation of new pyrrolidine carboxamide analogues as potential chemotherapeutic agents for hepatocellular carcinoma. European Journal of Medicinal Chemistry, 2017, 139, 804-814.	2.6	18
35	Enol Triflate Pyranoses, Versatile Reagents for the Formation of Conjugated Systems on Pyranoses. Angewandte Chemie International Edition in English, 1994, 33, 1499-1501.	4.4	17
36	A modular CuI-L-proline catalyzed one-pot route for the rapid access of constrained and privileged hetero-atom-linked medium-sized ring systems. Tetrahedron, 2017, 73, 2139-2150.	1.0	17

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37	Tandem Multicomponent Reactions Toward the Design and Synthesis of Novel Antibacterial and Cytotoxic Motifs. Current Medicinal Chemistry, 2013, 20, 1445-1459.	1.2	17
38	Phenolics from Colchicum decaisnei. Phytochemistry, 1991, 30, 3081-3085.	1.4	16
39	Carbohydrates to Heterocycles: A New Strategy for the Synthesis of Enantiomerically Pure Pyridazines and Oxazines Derived from Epoxypyranoside Scaffolds. Chemistry Letters, 1999, 28, 541-542.	0.7	16
40	Efficient access to polyfunctionalized and polycyclic furanoids: control of the off-template centre via acid catalysis. Journal of the Chemical Society Chemical Communications, 1995, , 239.	2.0	15
41	Differential Use of Anhydropyranosides for Enantiopure Routes to Bis-Î³-butyrolactones: A New Approach to the Frameworks of Antibiotic and Anticancer Agents Isoavenaciolide and Ethisolide. Journal of Organic Chemistry, 2009, 74, 4690-4696.	1.7	15
42	Intramolecular Diazaâ€Dielsâ€“Alder Protocol: A New Diastereoselective and Modular Oneâ€Step Synthesis of Constrained Polycyclic Frameworks. Chemistry - A European Journal, 2017, 23, 4137-4148.	1.7	15
43	Design and synthesis of new energy restriction mimetic agents: Potent anti-tumor activities of hybrid motifs of aminothiazoles and coumarins. Scientific Reports, 2020, 10, 2893.	1.6	15
44	Current Status of Baricitinib as a Repurposed Therapy for COVID-19. Pharmaceuticals, 2021, 14, 680.	1.7	15
45	Stereoselective Late-Stage Transformations of Indolo[2,3-a]quinolizines Skeleta to Nature-Inspired Scaffolds. Journal of Organic Chemistry, 2021, 86, 12872-12885.	1.7	15
46	Expeditious entries to chiral furanoids via pyranose annulation. Tetrahedron Letters, 1993, 34, 7717-7720.	0.7	14
47	Enhancement of n-GaAs characteristics by combined heating, cooling rate and metalloporphyrin modification techniques. Solid State Sciences, 2004, 6, 139-146.	1.5	13
48	A lupine alkaloid from Leontice leontopetalum. Phytochemistry, 1991, 30, 2393-2395.	1.4	12
49	Fusicoccin ring system by [4+4] cycloaddition. 2. A model study. Tetrahedron Letters, 1999, 40, 4007-4010.	0.7	12
50	Fusicoccin Synthesis by Intramolecular [4+4] Photocycloaddition of 2-Pyridones: Stereocontrol of the Cycloaddition and Elaboration of the Pentacyclic Product. Synthesis, 2001, 112, 1185-1196.	1.2	12
51	Discovery of Novel Small-Molecule Inhibitors of SARS-CoV-2 Main Protease as Potential Leads for COVID-19 Treatment. Journal of Chemical Information and Modeling, 2021, 61, 4745-4757.	2.5	12
52	Stereodivergent Complexity-to-Diversity Strategy en Route to the Synthesis of Nature-Inspired Skeleta. Journal of Organic Chemistry, 2022, 87, 1377-1397.	1.7	12
53	Antibacterial Activity of Small Molecules Which Eradicate Methicillin-Resistant Staphylococcus aureus Persisters. Frontiers in Microbiology, 2022, 13, 823394.	1.5	12
54	Eine neue Synthesestrategie zur Darstellung chiraler, polysubstituierter, an Pyranosen anellierter Tetrahydrofurane. Liebigs Annalen, 1995, 1995, 689-695.	0.8	11

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55	Divergent Strategy for Diastereocontrolled Synthesis of Small- and Medium-Ring Architectures. Journal of Organic Chemistry, 2020, 85, 10695-10708.	1.7	11
56	Design, synthesis and qualitative structureâ€“activity evaluations of novel hexahydropyrano[3,2-c][1,2]diazepin-3(4H)-one and tetrahydropyrano[3,2-b]pyrrol-2(1H)-one derivatives as anticancer agents. European Journal of Medicinal Chemistry, 2010, 45, 4615-4621.	2.6	10
57	Modular Biâ€Directional Oneâ€Pot Strategies for the Diastereoselective Synthesis of Structurally Diverse Collections of Constrained Î²â€Carbolineâ€Benzoxazepines. Chemistry - A European Journal, 2017, 23, 14182-14192.	1.7	10
58	Drug development post COVID-19 pandemic: toward a better system to meet current and future global health challenges. Expert Opinion on Drug Discovery, 2021, 16, 365-371.	2.5	10
59	Design, Synthesis and Qualitative Structure Activity Relationship Evaluations of Quinoline-Based Bisarylimidazoles as Antibacterial Motifs. Medicinal Chemistry, 2016, 12, 563-573.	0.7	10
60	Carbohydrates to carbocycles: Syntheses of polysubstituted chiral furanoids via oxirane ring opening. Tetrahedron Letters, 1995, 36, 523-524.	0.7	9
61	Tandem Achmatowicz-Knoevenagel protocol: diastereoselective synthesis and anticancer evaluation of cyclopenta[b]pyrane derivatives. Organic and Biomolecular Chemistry, 2010, 8, 5375.	1.5	9
62	Design and Synthesis of New Hybrid Triazine-Indole Derivatives as Potential Antimicrobial Agents against Hospital Resistant Strains. Heterocycles, 2013, 87, 2385.	0.4	9
63	Domino Transformations of Ene/Yne Tethered Salicylaldehyde Derivatives: Pluripotent Platforms for the Construction of High sp 3 Content and Privileged Architectures. Chemistry - A European Journal, 2019, 25, 15710-15735.	1.7	9
64	An efficient route to regio- and stereoselective synthesis of 3-amino-3-deoxy sugars. Tetrahedron, 1995, 51, 3141-3148.	1.0	7
65	A useful regioselective approach to episulfides via cis-oriented anhydro triflate sugars. Tetrahedron Letters, 1998, 39, 8257-8258.	0.7	7
66	Design and synthesis of new quinoline derivatives as selective C-RAF kinase inhibitors with potent anticancer activity. European Journal of Medicinal Chemistry, 2022, 238, 114434.	2.6	7
67	Flexible, polymer-supported synthesis of sphingosine derivatives provides ceramides with enhanced biological activity. Bioorganic and Medicinal Chemistry, 2014, 22, 5506-5512.	1.4	6
68	A new strategy for carbohydrate-based syntheses of oxaspiro-multichiral systems: An alternative route to pyranosidic homologation. Tetrahedron Letters, 1995, 36, 4599-4600.	0.7	5
69	Beyond the medium ring: A [4 + 4] cycloaddition/fragmentation synthesis of eleven-membered rings. Tetrahedron Letters, 1997, 38, 8433-8434.	0.7	5
70	Sequencing Groebkeâ€“Blackburnâ€“BienaymÃ© and Aza-Michael Addition Reactions: A Modular Strategy for Accessing a Diverse Collection of Constrained Benzoxazepine and Imidazopyrazine Systems. Synthesis, 2021, 53, 1911-1922.	1.2	5
71	Pharmacological screening of (+)-Multifloramine fromColchicum decaisnei. Phytotherapy Research, 1992, 6, 305-309.	2.8	4
72	Tangeretin as an adjuvant and chemotherapeutic sensitizer against various types of cancers: a comparative overview. Journal of Pharmacy and Pharmacology, 2021, 73, 601-610.	1.2	4

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73	Discovery of novel class of histone deacetylase inhibitors as potential anticancer agents. Bioorganic and Medicinal Chemistry, 2021, 42, 116251.	1.4	4
74	Chiral Î´-lactones via Pyranose-annulation. Natural Product Research, 1994, 4, 273-277.	0.4	3
75	Synthese multifunktioneller polycylischer chiraler Furanoide durch Pyranoseanellierungen. Journal FÃ¼r Praktische Chemie, Chemiker-Zeitung, 1996, 338, 320-326.	0.5	3
76	Design and synthesis of nature-inspired chromenopyrroles as potential modulators of mitochondrial metabolism. Medicinal Chemistry Research, 2021, 30, 635-646.	1.1	3
77	A Novel Benzopyrane Derivative Targeting Cancer Cell Metabolic and Survival Pathways. Cancers, 2021, 13, 2840.	1.7	3
78	Notizen: New Colchicine and Homoaporphine- N-Oxide Alkaloids from Colchicum Ritchii: The First Homoaporphine TV-Oxide Found in Nature. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1995, 50, 1424-1428.	0.3	2
79	Circular dichroism of carbohydrate-molybdate complexes. Studies in Natural Products Chemistry, 1995, 15, 423-438.	0.8	2
80	Carbohydrates to Pyrano-Furanoids: New and Regioselective Palladium-Catalyzed Syntheses of Tetrasubstituted Furanoids from Carbohydrate Scaffolds. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2000, 55, 657-660.	0.3	2
81	Unveiling the mechanism of action of nature-inspired anti-cancer compounds using a multi-omics approach. Journal of Proteomics, 2022, 265, 104660.	1.2	2
82	Notizen: Synthesis of 3-Amino-3-deoxy Sugars through Intramolecular Carbamate Cyclizations on a Neighbouring Oxirane Ring. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1995, 50, 697-698.	0.3	1
83	Quettamine-type Alkaloids fromLeontice leontopetalum. Natural Product Research, 1995, 5, 315-322.	0.4	1
84	Metabolic conversion of Î²-pinene to Î²-ionone in rats. Xenobiotica, 2021, 51, 1427-1435.	0.5	1
85	Synthesis of Chiral Î²-oxy-Î³-lactones on Sugar Templates: Influence of the Substituents Around C-6 on the Conformation of the Pyranose Ring. Natural Product Research, 1994, 4, 73-78.	0.4	0
86	Frontispiece: Modular Biâ€Directional Oneâ€Pot Strategies for the Diastereoselective Synthesis of Structurally Diverse Collections of Constrained Î²â€Carbolineâ€Benzoxazepines. Chemistry - A European Journal, 2017, 23, .	1.7	0
87	Frontispiece: Domino Transformations of Ene/Yne Tethered Salicylaldehyde Derivatives: Pluripotent Platforms for the Construction of High sp³ Content and Privileged Architectures. Chemistry - A European Journal, 2019, 25, .	1.7	0
88	Constraining Multiâ€Drug Resistance in Breast Cancer Cells by Energy Restriction. FASEB Journal, 2019, 33, 675.18.	0.2	0