Pascal Belin

List of Publications by Year
in descending order

46 papers	7,037 citations	126901 33 h-index	223791 46 g-index
47 all docs	47 docs citations	47 times ranked	5428 citing authors

#	Article	IF	Citations
1	Cyclodipeptide synthases: a promising biotechnological tool for the synthesis of diverse 2,5-diketopiperazines. Natural Product Reports, 2020, 37, 312-321.	10.3	42
2	Flexizyme-aminoacylated shortened tRNAs demonstrate that only the aminoacylated acceptor arms of the two tRNA substrates are required for cyclodipeptide synthase activity. Nucleic Acids Research, 2020, 48, 11615-11625.	14.5	4
3	In vivo characterization of the activities of novel cyclodipeptide oxidases: new tools for increasing chemical diversity of bioproduced 2,5-diketopiperazines in Escherichia coli. Microbial Cell Factories, 2020, 19, 178.	4.0	8
4	Reprogramming Escherichia coli for the production of prenylated indole diketopiperazine alkaloids. Scientific Reports, 2019, 9, 9208.	3.3	8
5	Study of bicyclomycin biosynthesis in Streptomyces cinnamoneus by genetic and biochemical approaches. Scientific Reports, 2019, 9, 20226.	3.3	12
6	Incorporation of Nonâ€canonical Amino Acids into 2,5â€Diketopiperazines by Cyclodipeptide Synthases. Angewandte Chemie, 2018, 130, 3172-3176.	2.0	9
7	Structural basis for partition of the cyclodipeptide synthases into two subfamilies. Journal of Structural Biology, 2018, 203, 17-26.	2.8	13
8	Incorporation of Nonâ€canonical Amino Acids into 2,5â€Diketopiperazines by Cyclodipeptide Synthases. Angewandte Chemie - International Edition, 2018, 57, 3118-3122.	13.8	20
9	A Comprehensive Overview of the Cyclodipeptide Synthase Family Enriched with the Characterization of 32 New Enzymes. Frontiers in Microbiology, 2018, 9, 46.	3.5	52
10	Aminoacyl-tRNA-Utilizing Enzymes in Natural Product Biosynthesis. Chemical Reviews, 2017, 117, 5578-5618.	47.7	88
11	A Neural Marker for Social Bias Toward In-group Accents. Cerebral Cortex, 2015, 25, 3953-3961.	2.9	25
12	Analysis of 51 cyclodipeptide synthases reveals the basis for substrate specificity. Nature Chemical Biology, 2015, 11, 721-727.	8.0	70
13	Specificity determinants for the two tRNA substrates of the cyclodipeptide synthase AlbC from Streptomyces noursei. Nucleic Acids Research, 2014, 42, 7247-7258.	14.5	40
14	Unravelling the mechanism of non-ribosomal peptide synthesis by cyclodipeptide synthases. Nature Communications, 2014, 5, 5141.	12.8	54
15	Substrate and Reaction Specificity of Mycobacterium tuberculosis Cytochrome P450 CYP121. Journal of Biological Chemistry, 2013, 288, 17347-17359.	3.4	45
16	The nonribosomal synthesis of diketopiperazines in tRNA-dependent cyclodipeptide synthase pathways. Natural Product Reports, 2012, 29, 961.	10.3	140
17	Nonribosomal Peptide Synthesis in Animals: The Cyclodipeptide Synthase of Nematostella. Chemistry and Biology, 2011, 18, 1362-1368.	6.0	50
18	Cyclodipeptide synthases, a family of class-I aminoacyl-tRNA synthetase-like enzymes involved in non-ribosomal peptide synthesis. Nucleic Acids Research, 2011, 39, 4475-4489.	14.5	83

#	Article	IF	Citations
19	Cyclodipeptide synthases are a family of tRNA-dependent peptide bondâ€“forming enzymes. Nature Chemical Biology, 2009, 5, 414-420.	8.0	215
20	Identification and structural basis of the reaction catalyzed by CYP121, an essential cytochrome P450 in Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7426-7431.	7.1	192
21	Recognition and discrimination of prototypical dynamic expressions of pain and emotions. Pain, 2008, 135, 55-64.	4.2	203
22	Human cerebral response to animal affective vocalizations. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 473-481.	2.6	87
23	Laugh (or Cry) and You will be Remembered. Psychological Science, 2007, 18, 1027-1029.	3.3	22
24	Brain response to birdsongs in bird experts. NeuroReport, 2007, 18, 335-340.	1.2	8
25	Cerebral response to â€˜voicenessâ€™: a functional magnetic resonance imaging study. NeuroReport, 2007, 18, 29-33.	1.2	19
26	Integrating face and voice in person perception. Trends in Cognitive Sciences, 2007, 11, 535-543.	7.8	379
27	Amygdala responses to nonlinguistic emotional vocalizations. NeuroImage, 2007, 36, 480-487.	4.2	169
28	Bilingual brain organization: A functional magnetic resonance adaptation study. NeuroImage, 2006, 31, 366-375.	4.2	95
29	Superior voice timbre processing in musicians. Neuroscience Letters, 2006, 405, 164-167.	2.1	83
30	Electrophysiological markers of voice familiarity. European Journal of Neuroscience, 2006, 23, 3081-3086.	2.6	70
31	Can Spectro-Temporal Complexity Explain the Autistic Pattern of Performance on Auditory Tasks?. Journal of Autism and Developmental Disorders, 2006, 36, 65-76.	2.7	100
32	Voice processing in human and non-human primates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 2091-2107.	4.0	124
33	Sensitivity to Voice in Human Prefrontal Cortex. Journal of Neurophysiology, 2005, 94, 2251-2254.	1.8	79
34	Judgment of Emotional Nonlinguistic Vocalizations: Age-Related Differences. Applied Neuropsychology, 2005, 12, 40-48.	1.5	34
35	Sensitivity to Auditory Object Features in Human Temporal Neocortex. Journal of Neuroscience, 2004, 24, 3637-3642.	3.6	177
36	Perception of Complex Sounds in Autism: Abnormal Auditory Cortical Processing in Children. American Journal of Psychiatry, 2004, 161, 2117-2120.	7.2	182

#	Article	IF	Citations
37	Abnormal cortical voice processing in autism. Nature Neuroscience, 2004, 7, 801-802.	14.8	444
38	Pitch discrimination in the early blind. Nature, 2004, 430, 309-309.	27.8	345
39	A â€œvoice inversion effect?â€. Brain and Cognition, 2004, 55, 247-249.	1.8	10
40	Priming of non-speech vocalizations in male adults: The influence of the speaker's gender. Brain and Cognition, 2004, 55, 300-302.	1.8	6
41	Thinking the voice: neural correlates of voice perception. Trends in Cognitive Sciences, 2004, 8, 129-135.	7.8	654
42	Is voice processing species-specific in human auditory cortex? An fMRI study. NeuroImage, 2004, 23, 840-848.	4.2	150
43	Where is 'where' in the human auditory cortex?. Nature Neuroscience, 2002, 5, 905-909.	14.8	308
44	â€˜Whatâ€™, â€˜whereâ€™ and â€˜howâ€™ in auditory cortex. Nature Neuroscience, 2000, 3, 965-966.	14.8	261
45	Voice-selective areas in human auditory cortex. Nature, 2000, 403, 309-312.	27.8	1,582
46	Event-Related fMRI of the Auditory Cortex. NeuroImage, 1999, 10, 417-429.	4.2	276