

# Benoit Gautier

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

2,979  
citations

471509

17  
h-index

642732

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

6243  
citing authors

#	ARTICLE	IF	CITATIONS
1	mixOmics: An R package for omics feature selection and multiple data integration. <i>PLoS Computational Biology</i> , 2017, 13, e1005752.	3.2	2,279
2	Cholesterol 24-hydroxylase defect is implicated in memory impairments associated with Alzheimer-like Tau pathology. <i>Human Molecular Genetics</i> , 2015, 24, 5965-5976.	2.9	96
3	Intracerebral Gene Therapy Using AAVrh.10-hARSA Recombinant Vector to Treat Patients with Early-Onset Forms of Metachromatic Leukodystrophy: Preclinical Feasibility and Safety Assessments in Nonhuman Primates. <i>Human Gene Therapy Clinical Development</i> , 2015, 26, 113-124.	3.1	68
4	In vivo real-time dynamics of ATP and ROS production in axonal mitochondria show decoupling in mouse models of peripheral neuropathies. <i>Acta Neuropathologica Communications</i> , 2019, 7, 86.	5.2	44
5	Development of a chemiluminescent screening assay for detection of vascular endothelial growth factor receptor 1 ligands. <i>Analytical Biochemistry</i> , 2007, 366, 108-110.	2.4	42
6	On-resin cyclization of peptide ligands of the Vascular Endothelial Growth Factor Receptor 1 by copper(I)-catalyzed 1,3-dipolar azide-alkyne cycloaddition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5590-5594.	2.2	41
7	Diffusion-weighted Imaging Is a Sensitive and Specific Magnetic Resonance Sequence in the Diagnosis of Ankylosing Spondylitis. <i>Journal of Rheumatology</i> , 2018, 45, 771-778.	2.0	40
8	Targeting the Proangiogenic VEGF-VEGFR Protein-Protein Interface with Drug-like Compounds by In Silico and In Vitro Screening. <i>Chemistry and Biology</i> , 2011, 18, 1631-1639.	6.0	38
9	Personalised pathway analysis reveals association between DNA repair pathway dysregulation and chromosomal instability in sporadic breast cancer. <i>Molecular Oncology</i> , 2016, 10, 179-193.	4.6	36
10	AAV2/9-mediated silencing of PMP22 prevents the development of pathological features in a rat model of Charcot-Marie-Tooth disease 1A. <i>Nature Communications</i> , 2021, 12, 2356.	12.8	36
11	Rational Design, Structure, and Biological Evaluation of Cyclic Peptides Mimicking the Vascular Endothelial Growth Factor. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5135-5146.	6.4	33
12	Design, Synthesis, and Biological Evaluation of the First Podophyllotoxin Analogues as Potential Vascular Disrupting Agents. <i>ChemMedChem</i> , 2010, 5, 2016-2025.	3.2	33
13	Serum Glycoprotein Biomarker Discovery and Qualification Pipeline Reveals Novel Diagnostic Biomarker Candidates for Esophageal Adenocarcinoma. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3023-3039.	3.8	33
14	Biochemical and Structural Analysis of the Binding Determinants of a Vascular Endothelial Growth Factor Receptor Peptidic Antagonist. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4428-4440.	6.4	31
15	Are semen parameters related to birth weight?. <i>Fertility and Sterility</i> , 2015, 103, 6-10.	1.0	30
16	Disulfide and amide-bridged cyclic peptide analogues of the VEGF81-91 fragment: Synthesis, conformational analysis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7526-7533.	3.0	22
17	Parallel solid-phase synthesis of a small library of linear and hydrocarbon-bridged analogues of VEGF81-91: Potential biological tools for studying the VEGF/VEGFR-1 interaction. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1978-1986.	3.0	21
18	Targeting VEGFR1 on endothelial progenitors modulates their differentiation potential. <i>Angiogenesis</i> , 2014, 17, 603-616.	7.2	14

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19	Structure-based design of a bicyclic peptide antagonist of the vascular endothelial growth factor receptors. <i>Journal of Peptide Science</i> , 2008, 14, 767-772.	1.4	12
20	Total chemical synthesis of the D2 domain of human VEGF receptor 1. <i>Journal of Peptide Science</i> , 2009, 15, 417-422.	1.4	10
21	Biophysical Studies of the Induced Dimerization of Human VEGF Receptor 1 Binding Domain by Divalent Metals Competing with VEGF-A. <i>PLoS ONE</i> , 2016, 11, e0167755.	2.5	10
22	Glyco-centric lectin magnetic bead array (LeMBA) proteomics dataset of human serum samples from healthy, Barrett's esophagus and esophageal adenocarcinoma individuals. <i>Data in Brief</i> , 2016, 7, 1058-1062.	1.0	6
23	Traumatic and Diabetic Schwann Cell Demyelination Is Triggered by a Transient Mitochondrial Calcium Release through Voltage Dependent Anion Channel 1. <i>Biomedicines</i> , 2022, 10, 1447.	3.2	3
24	Inside Cover: Design, Synthesis, and Biological Evaluation of the First Podophyllotoxin Analogues as Potential Vascular-Disrupting Agents ( <i>ChemMedChem</i> 12/2010). <i>ChemMedChem</i> , 2010, 5, 1958-1958.	3.2	0
25	Cyclic peptides as VEGF receptor antagonist. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 479-480.	1.6	0