

# Serge Bouaziz

## List of Publications by Year in descending order

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73  
papers

2,573  
citations

218677

26  
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197818

49  
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76  
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76  
docs citations

76  
times ranked

3083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Polymeric Micelles for Rapamycin Skin Delivery. <i>Pharmaceutics</i> , 2022, 14, 569.	4.5	9
2	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N backbone resonance assignment of HIV-1 Gag (276-432) encompassing the C-terminal domain of the capsid protein, the spacer peptide 1 and the nucleocapsid protein. <i>Biomolecular NMR Assignments</i> , 2021, 15, 267-271.	0.8	2
3	Acetonitrile allows indirect replacement of nondeuterated lipid detergents by deuterated lipid detergents for the nuclear magnetic resonance study of detergent-soluble proteins. <i>Protein Science</i> , 2021, 30, 2324-2332.	7.6	2
4	The HIV-1 maturation inhibitor, EP39, interferes with the dynamic helix-coil equilibrium of the CA-SP1 junction of Gag. <i>European Journal of Medicinal Chemistry</i> , 2020, 204, 112634.	5.5	5
5	Reconciling NMR Structures of the HIV-1 Nucleocapsid Protein NCp7 Using Extensive Polarizable Force Field Free-Energy Simulations. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 2013-2020.	5.3	4
6	HIV-1 Pre-Integration Complexes. Structures, Functions and Drug Design. <i>Biophysical Journal</i> , 2020, 118, 500a.	0.5	0
7	The three lives of Pierre Boulanger. <i>Retrovirology</i> , 2020, 17, 9.	2.0	0
8	Is Uracil-DNA Glycosylase UNG2 a New Cellular Weapon Against HIV-1?. <i>Current HIV Research</i> , 2019, 17, 148-160.	0.5	3
9	Structural studies of the binding of an antagonistic cyclic peptide to the VEGFR1 domain 2. <i>European Journal of Medicinal Chemistry</i> , 2019, 169, 65-75.	5.5	8
10	Human H4 tail stimulates HIV-1 integration through binding to the carboxy-terminal domain of integrase. <i>Nucleic Acids Research</i> , 2019, 47, 3607-3618.	14.5	15
11	Insight into the mechanism of action of EP-39, a bevirimat derivative that inhibits HIV-1 maturation. <i>Antiviral Research</i> , 2019, 164, 162-175.	4.1	11
12	Expression of novel proteins by polyomaviruses and recent advances in the structural and functional features of agnoprotein of JC virus, BK virus, and simian virus 40. <i>Journal of Cellular Physiology</i> , 2019, 234, 8295-8315.	4.1	25
13	Backbone resonance assignment of the human uracil DNA glycosylase-2. <i>Biomolecular NMR Assignments</i> , 2018, 12, 37-42.	0.8	1
14	Synthesis and characterization of water-soluble macrocyclic peptides stabilizing protein $\beta$ -turn. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 459-471.	2.8	11
15	Nuclear Magnetic Resonance Structure of the Human Polyoma JC Virus Agnoprotein. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3268-3280.	2.6	9
16	Accurate nanoscale flexibility measurement of DNA and DNA-protein complexes by atomic force microscopy in liquid. <i>Nanoscale</i> , 2017, 9, 11327-11337.	5.6	36
17	Guttiferone A Aggregates Modulate Silent Information Regulator 1 (SIRT1) Activity. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9560-9566.	6.4	6
18	Emerging From the Unknown: Structural and Functional Features of Agnoprotein of Polyomaviruses. <i>Journal of Cellular Physiology</i> , 2016, 231, 2115-2127.	4.1	28

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19	Biophysical Studies of the Induced Dimerization of Human VEGF Receptor 1 Binding Domain by Divalent Metals Competing with VEGF-A. PLoS ONE, 2016, 11, e0167755.	2.5	10
20	Quantitative DNA Binding, Looping, and Compaction Properties of the HIV-1 Viral Protein R. Biophysical Journal, 2015, 108, 399a.	0.5	0
21	A peptide derived from the rotavirus outer capsid protein VP7 permeabilizes artificial membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2026-2035.	2.6	7
22	Nuclear Magnetic Resonance Structure Revealed that the Human Polyomavirus JC Virus Agnoprotein Contains an $\alpha$ -Helix Encompassing the Leu/Ile/Phe-Rich Domain. Journal of Virology, 2014, 88, 6556-6575.	3.4	21
23	Evaluation of the antiprion activity of 6-aminophenanthridines and related heterocycles. European Journal of Medicinal Chemistry, 2014, 82, 363-371.	5.5	13
24	A protein ballet around the viral genome orchestrated by HIV-1 reverse transcriptase leads to an architectural switch: From nucleocapsid-condensed RNA to Vpr-bridged DNA. Virus Research, 2013, 171, 287-303.	2.2	25
25	Synthesis and biological evaluation of a new derivative of bevirimat that targets the Gag CA-SP1 cleavage site. European Journal of Medicinal Chemistry, 2013, 62, 453-465.	5.5	42
26	HIV-1 Vpr Induces the Degradation of ZIP and sZIP, Adaptors of the NuRD Chromatin Remodeling Complex, by Hijacking DCAF1/VprBP. PLoS ONE, 2013, 8, e77320.	2.5	23
27	The Toll-Like Receptor Agonist Imiquimod Is Active against Prions. PLoS ONE, 2013, 8, e72112.	2.5	26
28	Characterization of a Novel Type of HIV-1 Particle Assembly Inhibitor Using a Quantitative Luciferase-Vpr Packaging-Based Assay. PLoS ONE, 2011, 6, e27234.	2.5	8
29	Targeting the Proangiogenic VEGF-VEGFR Protein-Protein Interface with Drug-like Compounds by In Silico and In Vitro Screening. Chemistry and Biology, 2011, 18, 1631-1639.	6.0	38
30	APOBEC3A Is a Specific Inhibitor of the Early Phases of HIV-1 Infection in Myeloid Cells. PLoS Pathogens, 2011, 7, e1002221.	4.7	171
31	HIV-1 viral protein r: from structure to function. Future Virology, 2010, 5, 607-625.	1.8	9
32	Insight into the structure of the pUL89 C-terminal domain of the human cytomegalovirus terminase complex. Proteins: Structure, Function and Bioinformatics, 2010, 78, 1520-1530.	2.6	11
33	NMR Structure of a Viral Peptide Inserted in Artificial Membranes. Journal of Biological Chemistry, 2010, 285, 19409-19421.	3.4	15
34	Structure-Function Relationship of Vpr: Biological Implications. Current HIV Research, 2009, 7, 184-210.	0.5	41
35	Iminothiol/thiourea tautomeric equilibrium in thiourea lipids impacts DNA compaction by inducing a cationic nucleation for complex assembly. Biophysical Chemistry, 2009, 145, 7-16.	2.8	9
36	Structure of the Human Telomere in K <sup>+</sup> Solution: A Stable Basket-Type G-Quadruplex with Only Two G-Tetrad Layers. Journal of the American Chemical Society, 2009, 131, 4301-4309.	13.7	439

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37	Structural Studies of HIV-1 Gag p6ct and Its Interaction with Vpr Determined by Solution Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2009, 48, 2355-2367.	2.5	22
38	<i>Giardia</i> Telomeric Sequence d(TAGGG) <sub>4</sub> Forms Two Intramolecular G-Quadruplexes in K <sup>+</sup> Solution: Effect of Loop Length and Sequence on the Folding Topology. <i>Journal of the American Chemical Society</i> , 2009, 131, 16824-16831.	13.7	61
39	The Role of Membranes in the Organization of HIV-1 Gag p6 and Vpr: p6 Shows High Affinity for Membrane Bilayers Which Substantially Increases the Interaction between p6 and Vpr.. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7157-7162.	6.4	19
40	Conserved domains and structure prediction of human cytomegalovirus UL27 protein. <i>Antiviral Therapy</i> , 2009, 14, 663-672.	1.0	10
41	Molecular mimicry in inducing DNA damage between HIV-1 Vpr and the anticancer agent, cisplatin. <i>Oncogene</i> , 2008, 27, 32-43.	5.9	17
42	Direct Vpr-Vpr Interaction in Cells monitored by two Photon Fluorescence Correlation Spectroscopy and Fluorescence Lifetime Imaging. <i>Retrovirology</i> , 2008, 5, 87.	2.0	42
43	The inhibition of assembly of HIV-1 virus-like particles by 3-O-(3',3'-dimethylsuccinyl) betulinic acid (DSB) is counteracted by Vif and requires its Zinc-binding domain. <i>Virology Journal</i> , 2008, 5, 162.	3.4	15
44	How the HIV-1 Nucleocapsid Protein Binds and Destabilises the (â)Primer Binding Site During Reverse Transcription. <i>Journal of Molecular Biology</i> , 2008, 383, 1112-1128.	4.2	87
45	Synthesis of 6-Pyridylaminopurines. <i>Heterocycles</i> , 2008, 75, 1735.	0.7	4
46	Putative Functional Domains of Human Cytomegalovirus pUL56 Involved in Dimerization and Benzimidazole D-Ribonucleoside Activity. <i>Antiviral Therapy</i> , 2008, 13, 643-654.	1.0	45
47	Infectious Bursal Disease Virus, a Non-enveloped Virus, Possesses a Capsid-associated Peptide That Deforms and Perforates Biological Membranes. <i>Journal of Biological Chemistry</i> , 2007, 282, 20774-20784.	3.4	63
48	Contribution of the visual perception and graphic production systems to the copying of complex geometrical drawings: A developmental study. <i>Cognitive Development</i> , 2007, 22, 5-15.	1.3	16
49	Localization of HIV-1 Vpr to the nuclear envelope: Impact on Vpr functions and virus replication in macrophages. <i>Retrovirology</i> , 2007, 4, 84.	2.0	73
50	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
51	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
52	The 3-O-(3',3'-dimethylsuccinyl) derivative of betulinic acid (DSB) inhibits the assembly of virus-like particles in HIV-1 Gag precursor-expressing cells. <i>Antiviral Therapy</i> , 2007, 12, 1185-203.	1.0	16
53	New Functional Domains of Human Cytomegalovirus pUL89 predicted by Sequence Analysis and Three-Dimensional Modelling of the Catalytic Site DEXDc. <i>Antiviral Therapy</i> , 2007, 12, 217-232.	1.0	27
54	The 3-O-(3-â-3-â-dimethylsuccinyl) derivative of betulinic acid (DSB) inhibits the assembly of virus-like particles in HIV-1 Gag precursor-expressing cells. <i>Antiviral Therapy</i> , 2007, 12, 1185-1204.	1.0	18

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55	Structure of the zinc finger domain encompassing residues 13â€“51 of the nucleocapsid protein from simian immunodeficiency virus. <i>Biochemical Journal</i> , 2006, 393, 725-732.	3.7	18
56	Interaction between the HIV-1 Protein Vpr and the Adenine Nucleotide Translocator. <i>Chemical Biology and Drug Design</i> , 2006, 67, 145-154.	3.2	29
57	The C-terminal domain of the HIV-1 regulatory protein Vpr adopts an antiparallel dimeric structure in solution via its leucine-zipper-like domain. <i>Biochemical Journal</i> , 2005, 387, 333-341.	3.7	42
58	An expeditious synthesis of 6-aminophenanthridines. <i>Tetrahedron Letters</i> , 2005, 46, 3725-3727.	1.4	16
59	Helical structure determined by NMR of the HIV-1 (345-392)Gag sequence, surrounding p2: Implications for particle assembly and RNA packaging. <i>Protein Science</i> , 2005, 14, 375-386.	7.6	82
60	An Expeditious Synthesis of 6-Aminophenanthridines.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
61	Target Specificity of Human Immunodeficiency Virus Type 1 NCp7 Requires an Intact Conformation of Its CCHC N-Terminal Zinc Finger. <i>Journal of Virology</i> , 2004, 78, 6682-6687.	3.4	24
62	NMR Structure of the HIV-1 Regulatory Protein VPR. <i>Journal of Molecular Biology</i> , 2003, 327, 215-227.	4.2	155
63	NMR structure of the HIV-1 regulatory protein Vpr in H <sub>2</sub> O/trifluoroethanol. <i>FEBS Journal</i> , 2002, 269, 3779-3788.	0.2	55
64	Determination of the pK <sub>a</sub> of the four Zn <sup>2+</sup> -coordinating residues of the distal finger motif of the HIV-1 nucleocapsid protein: Consequences on the binding of Zn <sup>2+</sup> Edited by M. F. Summers. <i>Journal of Molecular Biology</i> , 2001, 310, 659-672.	4.2	58
65	Interlocked mismatch-aligned arrowhead DNA motifs. <i>Structure</i> , 1999, 7, 803-S4.	3.3	41
66	Determination of and Coupling Constants in <sup>13</sup> C-Labeled Nucleic Acids Using Constant-Time HMQC. <i>Journal of Magnetic Resonance</i> , 1999, 139, 181-185.	2.1	15
67	Solution structure of a Na <sup>+</sup> cation stabilized DNA quadruplex containing GÂ·GÂ·GÂ·G and GÂ·CÂ·GÂ·C tetrads formed by G-G-G-C repeats observed in adeno-associated viral DNA 1 Edited by I. Tinoco. <i>Journal of Molecular Biology</i> , 1998, 282, 619-636.	4.2	116
68	A K <sup>+</sup> cation-induced conformational switch within a loop spanning segment of a DNA quadruplex containing G-G-G-C repeats Edited by I. Tinoco. <i>Journal of Molecular Biology</i> , 1998, 282, 637-652.	4.2	106
69	Bombyx mori single repeat telomeric DMA sequence forms a G-quadruplex capped by base triads. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 382-389.	8.2	58
70	Three-dimensional solution structure of Î² <sup>2</sup> cryptogein, a Î² <sup>2</sup> elicitor secreted by a phytopathogenic fungus <i>Phytophthora cryptogea</i> . <i>Protein Science</i> , 1997, 6, 2279-2284.	7.6	29
71	Resonance assignment, cysteine-pairing elucidation and secondary-structure determination of capsicein, an alpha-elicitor, by three-dimensional <sup>1</sup> H NMR. <i>FEBS Journal</i> , 1994, 220, 427-438.	0.2	17
72	<sup>1</sup> H and <sup>15</sup> N Resonance Assignment and Secondary Structure of Capsicein, an .alpha.-Elicitor, Determined by Three-Dimensional Heteronuclear NMR. <i>Biochemistry</i> , 1994, 33, 8188-8197.	2.5	17

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73	Insight into protein nuclear magnetic resonance research. <i>Biochimie</i> , 1990, 72, 531-535.	2.6	3