

Denis Michel

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,685
citations

304743

22
h-index

302126

39
g-index

63
all docs

63
docs citations

63
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Galilean and relativistic Doppler/aberration effects deduced from spherical and ellipsoidal wavefronts respectively. <i>Optik</i> , 2022, 250, 168242.	2.9	0
2	Nuclear translocation of MRTFA in MCF7 breast cancer cells shifts ER \pm nuclear/genomic to extra-nuclear/non genomic actions. <i>Molecular and Cellular Endocrinology</i> , 2021, 530, 111282.	3.2	7
3	The Basal Level of Gene Expression Associated with Chromatin Loosening Shapes Waddington Landscapes and Controls Cell Differentiation. <i>Journal of Molecular Biology</i> , 2020, 432, 2253-2270.	4.2	4
4	Nuclear accumulation of MKL1 in luminal breast cancer cells impairs genomic activity of ER \pm and is associated with endocrine resistance. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194507.	1.9	9
5	Reductionist approach to chemical rate constants using conditional energy probabilities. <i>European Journal of Physics</i> , 2019, 40, 055103.	0.6	0
6	A probabilistic rate theory connecting kinetics to thermodynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 26-44.	2.6	13
7	Test of the formal basis of Arrhenius law with heat capacities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 188-199.	2.6	12
8	Polylogarithmic equilibrium treatment of molecular aggregation and critical concentrations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5273-5284.	2.8	1
9	A model of dynamic stability of H3K9me3 heterochromatin to explain the resistance to reprogramming of differentiated cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 184-195.	1.9	6
10	Conformational selection or induced fit? New insights from old principles. <i>Biochimie</i> , 2016, 128-129, 48-54.	2.6	31
11	Envisioning metastasis as a transdifferentiation phenomenon clarifies discordant results on cancer. <i>Breast Disease</i> , 2016, 36, 47-59.	0.8	3
12	Modeling generic aspects of ideal fibril formation. <i>Journal of Chemical Physics</i> , 2016, 144, 035101.	3.0	4
13	The accuracy of biochemical interactions is ensured by endothermic stepwise kinetics. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 121, 35-44.	2.9	3
14	The actin/MKL1 signalling pathway influences cell growth and gene expression through large-scale chromatin reorganization and histone post-translational modifications. <i>Biochemical Journal</i> , 2014, 461, 257-268.	3.7	22
15	New treatments of density fluctuations and recurrence times for re-estimating Zermelo's paradox. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 407, 128-134.	2.6	0
16	Life is a Self-Organizing Machine Driven by the Informational Cycle of Brillouin. <i>Origins of Life and Evolution of Biospheres</i> , 2013, 43, 137-150.	1.9	15
17	Seven competing ways to recover the Michaelis-Menten equation reveal the alternative approaches to steady state modeling. <i>Journal of Mathematical Chemistry</i> , 2013, 51, 2271-2284.	1.5	4
18	Drawing a Waddington landscape to capture dynamic epigenetics. <i>Biology of the Cell</i> , 2013, 105, 576-584.	2.0	8

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19	Kinetic approaches to lactose operon induction and bimodality. <i>Journal of Theoretical Biology</i> , 2013, 325, 62-75.	1.7	4
20	Simply conceiving the Arrhenius law and absolute kinetic constants using the geometric distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 4258-4264.	2.6	10
21	Unraveling Complex Interplay between Heat Shock Factor 1 and 2 Splicing Isoforms. <i>PLoS ONE</i> , 2013, 8, e56085.	2.5	9
22	Epigenetic memories: structural marks or active circuits?. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2189-2203.	5.4	10
23	Whole-genome expression analysis in primary human keratinocyte cell cultures exposed to 60GHz radiation. <i>Bioelectromagnetics</i> , 2012, 33, 147-158.	1.6	31
24	A Dynamic Model of Transcriptional Imprinting Derived from the Vitellogenesis Memory Effect. <i>Biophysical Journal</i> , 2011, 101, 1557-1568.	0.5	8
25	Hierarchical cooperativity mediated by chromatin remodeling; the model of the MMTV transcription regulation. <i>Journal of Theoretical Biology</i> , 2011, 287, 74-81.	1.7	4
26	Basic statistical recipes for the emergence of biochemical discernment. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 106, 498-516.	2.9	9
27	How transcription factors can adjust the gene expression floodgates. <i>Progress in Biophysics and Molecular Biology</i> , 2010, 102, 16-37.	2.9	38
28	Roles of heat shock factor 1 and 2 in response to proteasome inhibition: consequence on p53 stability. <i>Oncogene</i> , 2010, 29, 4216-4224.	5.9	35
29	Study of narrow band millimeter-wave potential interactions with endoplasmic reticulum stress sensor genes. <i>Bioelectromagnetics</i> , 2009, 30, 365-373.	1.6	20
30	Absence of direct effect of low-power millimeter-wave radiation at 60.4 GHz on endoplasmic reticulum stress. <i>Cell Biology and Toxicology</i> , 2009, 25, 471-478.	5.3	22
31	Sequential interplay between BAG6 and HSP70 upon heat shock. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1998-2004.	5.4	36
32	Fine tuning gene expression through short DNA-protein binding cycles. <i>Biochimie</i> , 2009, 91, 933-941.	2.6	11
33	Evaluation of the Potential Biological Effects of the 60-GHz Millimeter Waves Upon Human Cells. <i>IEEE Transactions on Antennas and Propagation</i> , 2009, 57, 2949-2956.	5.1	44
34	An alternative theoretical formula for hemoglobin oxygenation. <i>European Biophysics Journal</i> , 2008, 37, 823-827.	2.2	5
35	Low-power millimeter wave radiations do not alter stress-sensitive gene expression of chaperone proteins. <i>Bioelectromagnetics</i> , 2007, 28, 188-196.	1.6	35
36	Cooperative equilibrium curves generated by ordered ligand binding to multi-site molecules. <i>Biophysical Chemistry</i> , 2007, 129, 284-288.	2.8	10

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37	Stress-Induced Retrotranslocation of Clusterin/ApoJ into the Cytosol. <i>Traffic</i> , 2007, 8, 554-565.	2.7	120
38	Up-regulation of the clusterin gene after proteotoxic stress: implication of HSF1 and HSF2 heterocomplexes. <i>Biochemical Journal</i> , 2006, 395, 223-231.	3.7	118
39	60 GHz electromagnetic fields do not activate stress-sensitive gene expression. , 2005, , .		0
40	A ubiquitin-based assay for the cytosolic uptake of protein transduction domains. <i>Molecular Therapy</i> , 2005, 11, 205-214.	8.2	36
41	Intracellular trafficking of heat shock factor 2. <i>Experimental Cell Research</i> , 2004, 294, 480-493.	2.6	14
42	Intracellular clusterin causes juxtannuclear aggregate formation and mitochondrial alteration. <i>Journal of Cell Science</i> , 2003, 116, 3109-3121.	2.0	73
43	Potential of Glucocorticoid Receptor Transcriptional Activity by Sumoylation. <i>Endocrinology</i> , 2002, 143, 3482-3489.	2.8	135
44	Alteration of the stability of Bag-1 protein in the control of olfactory neuronal apoptosis. <i>Journal of Cell Science</i> , 2001, 114, 1409-1416.	2.0	38
45	Alteration of the stability of Bag-1 protein in the control of olfactory neuronal apoptosis. <i>Journal of Cell Science</i> , 2001, 114, 1409-16.	2.0	34
46	COUP-TFI (Chicken Ovalbumin Upstream Promoter-Transcription Factor I) Regulates Cell Migration and Axogenesis in Differentiating P19 Embryonal Carcinoma Cells. <i>Molecular Endocrinology</i> , 2000, 14, 1918-1933.	3.7	32
47	Eukaryotic Conditional Expression System. <i>BioTechniques</i> , 1999, 27, 106-110.	1.8	4
48	Regulation by pH of the Alternative Splicing of the Stem Cell Factor Pre-mRNA in the Testis. <i>Journal of Biological Chemistry</i> , 1999, 274, 770-775.	3.4	37
49	Central melatonin receptors in the rainbow trout: Comparative distribution of ligand binding and gene expression. , 1999, 409, 313-324.		83
50	Distribution of glutamic acid decarboxylase mRNA in the forebrain of the rainbow trout as studied by in situ hybridization. <i>Journal of Comparative Neurology</i> , 1999, 410, 277-289.	1.6	49
51	HSF1 Activation Occurs at Different Temperatures in Somatic and Male Germ Cells in the Poikilotherm Rainbow Trout. <i>Biochemical and Biophysical Research Communications</i> , 1999, 259, 15-20.	2.1	9
52	Effect of targeted expression of clusterin in photoreceptor cells on retinal development and differentiation. <i>Journal of Cell Science</i> , 1999, 112, 1455-1464.	2.0	16
53	Striking Evolutionary Conservation of a cis-Element Related to Nuclear Receptor Target Sites and Present in TR2 Orphan Receptor Genes. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 64-69.	2.1	13
54	Recent evolutionary acquisition of alternative pre-mRNA splicing and 3' processing regulations induced by intronic B2 SINE insertion. <i>Nucleic Acids Research</i> , 1997, 25, 3228-3234.	14.5	24

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55	Stress-induced transcription of the clusterin/apoJ gene. <i>Biochemical Journal</i> , 1997, 328, 45-50.	3.7	187
56	Optimization of PCR/lambda exonuclease-mediated synthesis of sense and antisense DNA probes for in situ hybridization. <i>The Histochemical Journal</i> , 1997, 29, 685-693.	0.6	1
57	<i>Clusterin/ApoJ</i> expression is associated with neuronal apoptosis in the olfactory mucosa of the adult mouse. <i>Journal of Cell Science</i> , 1997, 110, 1635-1645.	2.0	35
58	Clusterin/ApoJ expression is associated with neuronal apoptosis in the olfactory mucosa of the adult mouse. <i>Journal of Cell Science</i> , 1997, 110 (Pt 14), 1635-45.	2.0	9
59	Induction of apoptosis in rat olfactory neuroepithelium by synaptic target ablation. <i>NeuroReport</i> , 1994, 5, 1329-1332.	1.2	5
60	Induction of apoptosis in mouse [correction of rat] olfactory neuroepithelium by synaptic target ablation. <i>NeuroReport</i> , 1994, 5, 1329-32.	1.2	55
61	Possible functions of a new genetic marker in central nervous system: The sulfated glycoprotein-2 (SGP-2). <i>Synapse</i> , 1992, 11, 105-111.	1.2	75