Francisco E Baralle

List of Publications by Year
in descending order

82 papers	9,931 citations	50276 46 h-index	62596 80 g-index
83 all docs	83 docs citations	83 times ranked	8763 citing authors

#	Article	IF	Citations
1	Physiological tissue-specific and age-related reduction of mouse TDP-43 levels is regulated by epigenetic modifications. DMM Disease Models and Mechanisms, 2022, , .	2.4	7
2	Thioridazine reverts the phenotype in cellular and Drosophila models of amyotrophic lateral sclerosis by enhancing TDP-43 aggregate clearance. Neurobiology of Disease, 2021, 160, 105515.	4.4	5
3	Point mutations in the N-terminal domain of transactive response DNA-binding protein 43 kDa (TDP-43) compromise its stability, dimerization, and functions. Journal of Biological Chemistry, 2017, 292, 11992-12006.	3.4	66
4	Absence of <scp>TDP</scp> â€43 is difficult to digest. EMBO Journal, 2016, 35, 115-117.	7.8	6
5	The TDPâ€43 Nâ€terminal domain structure at high resolution. FEBS Journal, 2016, 283, 1242-1260.	4.7	121
6	A novel fly model of TDP-43 proteinopathies: N-terminus sequences combined with the Q/N domain induce protein functional loss and locomotion defects. DMM Disease Models and Mechanisms, 2016, 9, 659-69.	2.4	16
7	An age-related reduction of brain TBPH/TDP-43 levels precedes the onset of locomotion defects in a Drosophila ALS model. Neuroscience, 2015, 311, 415-421.	2.3	25
8	Glial TDP-43 regulates axon wrapping, GluRIIA clustering and fly motility by autonomous and non-autonomous mechanisms. Human Molecular Genetics, 2015, 24, 6134-6145.	2.9	28
9	TDP-43 loss of cellular function through aggregation requires additional structural determinants beyond its C-terminal Q/N prion-like domain. Human Molecular Genetics, 2015, 24, 9-20.	2.9	71
10	The structural integrity of TDP-43ÂN-terminus is required for efficient aggregate entrapment and consequent loss of protein function. Prion, 2015, 9, 1-9.	1.8	37
11	From transcriptomic to protein level changes in TDP-43 and FUS loss-of-function cell models. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 1398-1410.	1.9	38
12	Exon First Nucleotide Mutations in Splicing: Evaluation of In Silico Prediction Tools. PLoS ONE, 2014, 9, e89570.	2.5	17
13	A novel anti-aldolase C antibody specifically interacts with residues 85â€“102 of the protein. MAbs, 2014, 6, 707-716.	5.2	6
14	Predominance of spliceosomal complex formation over polyadenylation site selection in TDP-43 autoregulation. Nucleic Acids Research, 2014, 42, 3362-3371.	14.5	33
15	Targeting TDP-43 in neurodegenerative diseases. Expert Opinion on Therapeutic Targets, 2014, 18, 617-632.	3.4	25
16	â€œStructural characterization of the minimal segment of TDP-43 competent for aggregationâ€• Archives of Biochemistry and Biophysics, 2014, 545, 53-62.	3.0	67
17	Aggregate formation prevents dTDP-43 neurotoxicity in the Drosophila melanogaster eye. Neurobiology of Disease, 2014, 71, 74-80.	4.4	24
18	Chronological requirements of TDP-43 function in synaptic organization and locomotive control. Neurobiology of Disease, 2014, 71, 95-109.	4.4	36

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19	RNA and splicing regulation in neurodegeneration. Molecular and Cellular Neurosciences, 2013, 56, 404-405.	2.2	1
20	TDP-43 high throughput screening analyses in neurodegeneration: Advantages and pitfalls. Molecular and Cellular Neurosciences, 2013, 56, 465-474.	2.2	27
21	The role of TDP-43 in the pathogenesis of ALS and FTLD. Biochemical Society Transactions, 2013, 41, 1536-1540.	3.4	60
22	Molecular basis of UG-rich RNA recognition by the human splicing factor TDP-43. Nature Structural and Molecular Biology, 2013, 20, 1443-1449.	8.2	293
23	From single splicing events to thousands: the ambiguous step forward in splicing research. Briefings in Functional Genomics, 2013, 12, 3-12.	2.7	16
24	Characterizing TDP-43 interaction with its RNA targets. Nucleic Acids Research, 2013, 41, 5062-5074.	14.5	92
25	Mutually exclusive splicing regulates the Nav 1.6 sodium channel function through a combinatorial mechanism that involves three distinct splicing regulatory elements and their ligands. Nucleic Acids Research, 2012, 40, 6255-6269.	14.5	26
26	Autoregulation of TDP-43 mRNA levels involves interplay between transcription, splicing, and alternative polyA site selection. Genes and Development, 2012, 26, 1679-1684.	5.9	157
27	Cellular Model of TAR DNA-binding Protein 43 (TDP-43) Aggregation Based on Its C-terminal Gln/Asn-rich Region. Journal of Biological Chemistry, 2012, 287, 7512-7525.	3.4	107
28	TDP-43 and FUS RNA-binding Proteins Bind Distinct Sets of Cytoplasmic Messenger RNAs and Differently Regulate Their Post-transcriptional Fate in Motoneuron-like Cells. Journal of Biological Chemistry, 2012, 287, 15635-15647.	3.4	233
29	Role of selected mutations in the Q/N rich region of TDP-43 in EGFP-12xQ/N-induced aggregate formation. Brain Research, 2012, 1462, 139-150.	2.2	43
30	TDP-43: gumming up neurons through proteinâ€“protein and proteinâ€“RNA interactions. Trends in Biochemical Sciences, 2012, 37, 237-247.	7.5	159
31	Evolutionary Connections between Coding and Splicing Regulatory Regions in the Fibronectin EDA Exon. Journal of Molecular Biology, 2011, 411, 1-15.	4.2	1
32	TDP-43 regulates its mRNA levels through a negative feedback loop. EMBO Journal, 2011, 30, 277-288.	7.8	492
33	TDP-43 Regulates Drosophila Neuromuscular Junctions Growth by Modulating Futsch/MAP1B Levels and Synaptic Microtubules Organization. PLoS ONE, 2011, 6, e17808.	2.5	108
34	The intronic splicing code: multiple factors involved in ATM pseudoexon definition. EMBO Journal, 2010, 29, 749-760.	7.8	34
35	Functional properties and evolutionary splicing constraints on a composite exonic regulatory element of splicing in CFTR exon 12. Nucleic Acids Research, 2010, 38, 647-659.	14.5	67
36	Analysis of Human Splicing Defects Using Hybrid Minigenes. , 2010, , 155-169.		2

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37	Functional mapping of the interaction between TDP-43 and hnRNP A2 in vivo. Nucleic Acids Research, 2009, 37, 4116-4126.	14.5	190
38	Depletion of TDPâ€43 affects Drosophila motoneurons terminal synapsis and locomotive behavior. FEBS Letters, 2009, 583, 1586-1592.	2.8	266
39	Chapter 1 The Molecular Links Between TDPâ€43 Dysfunction and Neurodegeneration. Advances in Genetics, 2009, 66, 1-34.	1.8	84
40	Origin and evolution of the c.844_845ins68/c.833T>C mutations within the cystathionine Î²â€synthase gene in great apes. FEBS Letters, 2008, 582, 423-426.	2.8	5
41	The pathological splicing mutation c.6792C > G in NF1 exon 37 causes a change of tenancy between antagonistic splicing factors. FEBS Letters, 2008, 582, 2231-2236.	2.8	31
42	Abnormal phosphorylation of Ser409/410 of TDPâ€43 in FTLDâ€U and ALS. FEBS Letters, 2008, 582, 2899-2904.	2.8	170
43	Absence of regulated splicing of fibronectin EDA exon reduces atherosclerosis in mice. Atherosclerosis, 2008, 197, 534-540.	0.8	45
44	Prothrombotic Effects of Fibronectin Isoforms Containing the EDA Domain. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 296-301.	2.4	46
45	TDP-43 regulates retinoblastoma protein phosphorylation through the repression of cyclin-dependent kinase 6 expression. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3785-3789.	7.1	214
46	Structural determinants of the cellular localization and shuttling of TDP-43. Journal of Cell Science, 2008, 121, 3778-3785.	2.0	493
47	An Essential Role for Fibronectin Extra Type III Domain A in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 638-645.	5.6	257
48	Multiple roles of TDP-43 in gene expression, splicing regulation, and human disease. Frontiers in Bioscience - Landmark, 2008, 13, 867.	3.0	416
49	RNA structure is a key regulatory element in pathological ATM and CFTR pseudoexon inclusion events. Nucleic Acids Research, 2007, 35, 4369-4383.	14.5	53
50	SR protein-mediated inhibition of CFTR exon 9 inclusion: molecular characterization of the intronic splicing silencer. Nucleic Acids Research, 2007, 35, 4359-4368.	14.5	47
51	TDP43 depletion rescues aberrant CFTR exon 9 skipping. FEBS Letters, 2006, 580, 1339-1344.	2.8	73
52	NF1mRNA biogenesis: Effect of the genomic milieu in splicing regulation of theNF1exon 37 region. FEBS Letters, 2006, 580, 4449-4456.	2.8	64
53	Defective splicing, disease and therapy: searching for master checkpoints in exon definition. Nucleic Acids Research, 2006, 34, 3494-3510.	14.5	189
54	Synonymous mutations in CFTR exon 12 affect splicing and are not neutral in evolution. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6368-6372.	7.1	212

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55	TDP-43 Binds Heterogeneous Nuclear Ribonucleoprotein A/B through Its C-terminal Tail. Journal of Biological Chemistry, 2005, 280, 37572-37584.	3.4	400
56	Depletion of TDP 43 overrides the need for exonic and intronic splicing enhancers in the human apoA-II gene. Nucleic Acids Research, 2005, 33, 6000-6010.	14.5	204
57	Human, Drosophila, and C.elegans TDP43: Nucleic Acid Binding Properties and Splicing Regulatory Function. Journal of Molecular Biology, 2005, 348, 575-588.	4.2	315
58	A Polar Mechanism Coordinates Different Regions of Alternative Splicing within a Single Gene. Molecular Cell, 2005, 19, 393-404.	9.7	63
59	Another step forward for SELEXive splicing. Trends in Molecular Medicine, 2005, 11, 5-9.	6.7	16
60	RNA Folding Affects the Recruitment of SR Proteins by Mouse and Human Polypurinic Enhancer Elements in the Fibronectin EDA Exon. Molecular and Cellular Biology, 2004, 24, 1387-1400.	2.3	106
61	Genomic variants in exons and introns: identifying the splicing spoilers. Nature Reviews Genetics, 2004, 5, 389-396.	16.3	512
62	An Intronic Polypyrimidine-rich Element Downstream of the Donor Site Modulates Cystic Fibrosis Transmembrane Conductance Regulator Exon 9 Alternative Splicing. Journal of Biological Chemistry, 2004, 279, 16980-16988.	3.4	72
63	Influence of RNA Secondary Structure on the Pre-mRNA Splicing Process. Molecular and Cellular Biology, 2004, 24, 10505-10514.	2.3	370
64	Nuclear Factor TDP-43 Binds to the Polymorphic TG Repeats in CFTR Intron 8 and Causes Skipping of Exon 9: A Functional Link with Disease Penetrance. American Journal of Human Genetics, 2004, 74, 1322-1325.	6.2	176
65	Can a â€˜patchâ€™ in a skipped exon make the pre-mRNA splicing machine run better?. Trends in Molecular Medicine, 2003, 9, 229-232.	6.7	15
66	New type of disease causing mutations: the example of the composite exonic regulatory elements of splicing in CFTR exon 12. Human Molecular Genetics, 2003, 12, 1111-1120.	2.9	171
67	Missense, Nonsense, and Neutral Mutations Define Juxtaposed Regulatory Elements of Splicing in Cystic Fibrosis Transmembrane Regulator Exon 9. Journal of Biological Chemistry, 2003, 278, 26580-26588.	3.4	125
68	Regulated splicing of the fibronectin EDA exon is essential for proper skin wound healing and normal lifespan. Journal of Cell Biology, 2003, 162, 149-160.	5.2	274
69	Regulation of 3â€² Splice Site Selection in the 844ins68 Polymorphism of the Cystathionine Î²-Synthase Gene. Journal of Biological Chemistry, 2002, 277, 43821-43829.	3.4	32
70	A new type of mutation causes a splicing defect in ATM. Nature Genetics, 2002, 30, 426-429.	21.4	200
71	Characterization and Functional Implications of the RNA Binding Properties of Nuclear Factor TDP-43, a Novel Splicing Regulator ofCFTR Exon 9. Journal of Biological Chemistry, 2001, 276, 36337-36343.	3.4	577
72	Splicing Factors Induce Cystic Fibrosis Transmembrane Regulator Exon 9 Skipping through a Nonevolutionary Conserved Intronic Element. Journal of Biological Chemistry, 2000, 275, 21041-21047.	3.4	160

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73	Coupling of Transcription with Alternative Splicing. Molecular Cell, 1999, 4, 251-258.	9.7	274
74	Interaction between the â^'170 CRE and the â^'150 CCAAT box is necessary for efficient activation of the fibronectin gene promoter by cAMP and ATF-2. FEBS Letters, 1999, 457, 445-451.	2.8	13
75	Regulation of Fibronectin EDA Exon Alternative Splicing: Possible Role of RNA Secondary Structure for Enhancer Display. Molecular and Cellular Biology, 1999, 19, 2657-2671.	2.3	123
76	Expression of RGD minus fibronectin that does not form extracellular matrix fibrils is sufficient to decrease tumor metastasis. , 1998, 78, 233-241.		16
77	Functional analysis of the interaction between HCV 5'UTR and putative subunits of eukaryotic translation initiation factor eIF3. Nucleic Acids Research, 1998, 26, 3179-3187.	14.5	111
78	Cysteine residues in human lysosomal acid lipase are involved in selective cholesteryl esterase activity. Biochemical Journal, 1997, 326, 265-269.	3.7	12
79	L273S missense substitution in human lysosomal acid lipase creates a newN-glycosylation site. FEBS Letters, 1996, 397, 79-82.	2.8	9
80	Immunoreactivity of chimeric proteins carrying the HIV-1 epitope IGPGRAF Correlation between predicted conformation and antigenicity. FEBS Letters, 1994, 353, 1-4.	2.8	21
81	Alternative splicing of a previously unidentified CFTR exon introduces an in-frame stop codon 5' of the R region. FEBS Letters, 1993, 329, 159-162.	2.8	7
82	A role for exon sequences in alternative splicing of the human fibronection gene. Nucleic Acids Research, 1987, 15, 7725-7733.	14.5	156