Massimo Zollo

List of Publications by Year in descending order

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	81900	48315
8,276	39	88
citations	h-index	g-index
139	139	12443
docs citations	times ranked	citing authors
	citations 139	8,276 39 citations h-index 139 139

#	Article	IF	CITATIONS
1	Intertumoral Heterogeneity within Medulloblastoma Subgroups. Cancer Cell, 2017, 31, 737-754.e6.	16.8	836
2	Subgroup-specific structural variation across 1,000 medulloblastoma genomes. Nature, 2012, 488, 49-56.	27.8	761
3	Host response to EBV infection in X-linked lymphoproliferative disease results from mutations in an SH2-domain encoding gene. Nature Genetics, 1998, 20, 129-135.	21.4	720
4	Tissue invasion and metastasis: Molecular, biological and clinical perspectives. Seminars in Cancer Biology, 2015, 35, S244-S275.	9.6	408
5	Molecular networks that regulate cancer metastasis. Seminars in Cancer Biology, 2012, 22, 234-249.	9.6	296
6	The miR-17-92 MicroRNA Cluster Regulates Multiple Components of the TGF- \hat{l}^2 Pathway in Neuroblastoma. Molecular Cell, 2010, 40, 762-773.	9.7	279
7	Cytogenetic Prognostication Within Medulloblastoma Subgroups. Journal of Clinical Oncology, 2014, 32, 886-896.	1.6	263
8	MicroRNA-199b-5p Impairs Cancer Stem Cells through Negative Regulation of HES1 in Medulloblastoma. PLoS ONE, 2009, 4, e4998.	2.5	233
9	Designing a broad-spectrum integrative approach for cancer prevention and treatment. Seminars in Cancer Biology, 2015, 35, S276-S304.	9.6	220
10	Identification and mapping of human cDNAs homologous to Drosophila mutant genes through EST database searching. Nature Genetics, 1996, 13, 167-174.	21.4	177
11	Therapeutic Impact of Cytoreductive Surgery and Irradiation of Posterior Fossa Ependymoma in the Molecular Era: A Retrospective Multicohort Analysis. Journal of Clinical Oncology, 2016, 34, 2468-2477.	1.6	160
12	Tumor microenvironment: a main actor in the metastasis process. Clinical and Experimental Metastasis, 2012, 29, 381-395.	3.3	155
13	MiR-34a Targeting of Notch Ligand Delta-Like 1 Impairs CD15+/CD133+ Tumor-Propagating Cells and Supports Neural Differentiation in Medulloblastoma. PLoS ONE, 2011, 6, e24584.	2.5	149
14	TERT promoter mutations are highly recurrent in SHH subgroup medulloblastoma. Acta Neuropathologica, 2013, 126, 917-929.	7.7	146
15	Prune cAMP phosphodiesterase binds nm23-H1 and promotes cancer metastasis. Cancer Cell, 2004, 5, 137-149.	16.8	132
16	Upregulation of miR-21 by Ras in vivo and its role in tumor growth. Oncogene, 2011, 30, 275-286.	5.9	130
17	Rox, a novel bHLHZip protein expressed in quiescent cells that heterodimerizes with Max, binds a non-canonical E box and acts as a transcriptional repressor. EMBO Journal, 1997, 16, 2892-2906.	7.8	126
18	Molecular Cloning, Expression Pattern, and Chromosomal Localization of the Human Na–Cl Thiazide-Sensitive Cotransporter (SLC12A3). Genomics, 1996, 35, 486-493.	2.9	123

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19	Human Metastasis Regulator Protein H-Prune is a Short-Chain Exopolyphosphatase. Biochemistry, 2008, 47, 9707-9713.	2.5	120
20	FACL4, a New Gene Encoding Long-Chain Acyl-CoA Synthetase 4, Is Deleted in a Family with Alport Syndrome, Elliptocytosis, and Mental Retardation. Genomics, 1998, 47, 350-358.	2.9	114
21	Glycogen Synthase Kinase 3 and h-prune Regulate Cell Migration by Modulating Focal Adhesions. Molecular and Cellular Biology, 2006, 26, 898-911.	2.3	111
22	Molecular heterogeneity of steroid sulfatase deficiency: A multicenter study on 57 unrelated patients, at DNA and protein levels. Genomics, 1989, 4, 36-40.	2.9	102
23	Heterogeneity within the PF-EPN-B ependymoma subgroup. Acta Neuropathologica, 2018, 136, 227-237.	7.7	86
24	ASAP1 promotes tumor cell motility and invasiveness, stimulates metastasis formation in vivo, and correlates with poor survival in colorectal cancer patients. Oncogene, 2010, 29, 2393-2403.	5.9	85
25	Targeting monocyte chemotactic protein-1 synthesis with bindarit induces tumor regression in prostate and breast cancer animal models. Clinical and Experimental Metastasis, 2012, 29, 585-601.	3.3	84
26	Regulation of divalent metal transporter 1 (DMT1) non-IRE isoform by the microRNA Let-7d in erythroid cells. Haematologica, 2010, 95, 1244-1252.	3.5	82
27	Evidence for interaction between human PRUNE and nm23-H1 NDPKinase. Oncogene, 1999, 18, 7244-7252.	5.9	77
28	Long-range sequence analysis in Xq28: thirteen known and six candidate genes in 219.4 kb of high GC DNA between the RCP/GCP and G6PD loci. Human Molecular Genetics, 1996, 5, 659-668.	2.9	69
29	Molecular characterization of a gene of the 'EGF family' expressed in undifferentiated human NTERA2 teratocarcinoma cells. EMBO Journal, 1989, 8, 1987-91.	7.8	68
30	PRUNE is crucial for normal brain development and mutated in microcephaly with neurodevelopmental impairment. Brain, 2017, 140, 940-952.	7.6	62
31	Galectin-1 is a major effector of TrkB-mediated neuroblastoma aggressiveness. Oncogene, 2009, 28, 2015-2023.	5.9	61
32	Common variants at 21q22.3 locus influence MX1 and TMPRSS2 gene expression and susceptibility to severe COVID-19. IScience, 2021, 24, 102322.	4.1	60
33	The Gene Encoding a Cationic Amino Acid Transporter (SLC7A4) Maps to the Region Deleted in the Velocardiofacial Syndrome. Genomics, 1998, 49, 230-236.	2.9	52
34	Amplification and overexpression of PRUNE in human sarcomas and breast carcinomas–a possible mechanism for altering the nm23-H1 activity. Oncogene, 2001, 20, 6881-6890.	5.9	52
35	Phosphorylation of nm23-H1 by CKI induces its complex formation with h-prune and promotes cell motility. Oncogene, 2008, 27, 1853-1864.	5.9	48
36	The micro-RNA 199b-5p regulatory circuit involves Hes1, CD15, and epigenetic modifications in medulloblastoma. Neuro-Oncology, 2012, 14, 596-612.	1.2	48

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37	Dipyridamole prevents triple-negative breast-cancer progression. Clinical and Experimental Metastasis, 2013, 30, 47-68.	3.3	48
38	Screening for steroid sulfatase (STS) gene deletions by multiplex DNA amplification. Human Genetics, 1990, 84, 571-3.	3.8	47
39	Biallelic mutations in neurofascin cause neurodevelopmental impairment and peripheral demyelination. Brain, 2019, 142, 2948-2964.	7.6	43
40	H-Prune through GSK-3 \hat{l}^2 interaction sustains canonical WNT/ \hat{l}^2 -catenin signaling enhancing cancer progression in NSCLC. Oncotarget, 2014, 5, 5736-5749.	1.8	42
41	<scp>M</scp> i <scp>R</scp> â€34a deficiency accelerates medulloblastoma formation <i>in vivo</i> lnternational Journal of Cancer, 2015, 136, 2293-2303.	5.1	40
42	RIP1–HAT1–SIRT Complex Identification and Targeting in Treatment and Prevention of Cancer. Clinical Cancer Research, 2018, 24, 2886-2900.	7.0	40
43	Identification by Shotgun Sequencing, Genomic Organization, and Functional Analysis of a Fourth Arylsulfatase Gene (ARSF) from the Xp22.3 Region. Genomics, 1997, 42, 192-199.	2.9	37
44	A critical evaluation of biochemical activities reported for the nucleoside diphosphate kinase/Nm23/Awd family proteins: opportunities and missteps in understanding their biological functions. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 331-339.	3.0	37
45	Norcantharidin impairs medulloblastoma growth by inhibition of Wnt/ \hat{l}^2 -catenin signaling. Journal of Neuro-Oncology, 2012, 106, 59-70.	2.9	36
46	Neuroblastoma tumorigenesis is regulated through the Nm23-H1/h-Prune C-terminal interaction. Scientific Reports, 2013, 3, 1351.	3.3	34
47	Unraveling Genes and Pathways Influenced by H-Prune PDE Overexpression: A Model to Study Cellular Motility. Cell Cycle, 2004, 3, 756-759.	2.6	33
48	H-prune-nm23-H1 protein complex and correlation to pathways in cancer metastasis. Journal of Bioenergetics and Biomembranes, 2006, 38, 205-213.	2.3	33
49	Xenopus NM23-X4 regulates retinal gliogenesis through interaction with p27Xic1. Neural Development, 2009, 4, 1.	2.4	33
50	The phenotypic and molecular spectrum of PEHO syndrome and PEHO-like disorders. Brain, 2017, 140, e49-e49.	7.6	33
51	The Nm23-H1–h-Prune complex in cellular physiology: a â€̃tip of the iceberg' protein network perspective. Molecular and Cellular Biochemistry, 2009, 329, 149-159.	3.1	32
52	$GSK3\hat{I}^2$ regulates physiological migration of stem/progenitor cells via cytoskeletal rearrangement. Journal of Clinical Investigation, 2013, 123, 1705-1717.	8.2	32
53	Overexpression of h-prune in breast cancer is correlated with advanced disease status. Clinical Cancer Research, 2005, 11, 199-205.	7.0	32
54	PRUNE and NM23-M1 expression in embryonic and adult mouse brain. Journal of Bioenergetics and Biomembranes, 2006, 38, 233-246.	2.3	30

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55	Comparative Proteomic Expression Profile in All-transRetinoic Acid Differentiated Neuroblastoma Cell Line. Journal of Proteome Research, 2007, 6, 2550-2564.	3.7	30
56	The metallophosphodiesterase Mpped2 impairs tumorigenesis in neuroblastoma. Cell Cycle, 2012, 11, 569-581.	2.6	30
57	MicroRNA 199b-5p delivery through stable nucleic acid lipid particles (SNALPs) in tumorigenic cell lines. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 287-302.	3.0	30
58	Early Targets of miR-34a in Neuroblastoma. Molecular and Cellular Proteomics, 2014, 13, 2114-2131.	3.8	29
59	Long-chain polyphosphates impair SARS-CoV-2 infection and replication. Science Signaling, 2021, 14, .	3.6	27
60	Sequence of mouse glucose-6-phosphate dehydrogenase cDNA. DNA Sequence, 1993, 3, 319-322.	0.7	26
61	Natural compounds for pediatric cancer treatment. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 131-149.	3.0	26
62	Molecular classification of nodal metastasis in primary larynx squamous cell carcinoma. Translational Research, 2007, 150, 233-245.	5.0	25
63	Correlation of NM23-H1 cytoplasmic expression with metastatic stage in human prostate cancer tissue. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 489-498.	3.0	25
64	SARS-CoV-2 Subgenomic N (sgN) Transcripts in Oro-Nasopharyngeal Swabs Correlate with the Highest Viral Load, as Evaluated by Five Different Molecular Methods. Diagnostics, 2021, 11, 288.	2.6	25
65	Fenretinide (4-HPR) Targets Caspase-9, ERK $1/2$ and the Wnt3a \hat{l}^2 -Catenin Pathway in Medulloblastoma Cells and Medulloblastoma Cell Spheroids. PLoS ONE, 2016, 11, e0154111.	2.5	24
66	Pattern of Relapse and Treatment Response in WNT-Activated Medulloblastoma. Cell Reports Medicine, 2020, 1, 100038.	6.5	24
67	Detection of erbB2 copy number variations in plasma of patients with esophageal carcinoma. BMC Cancer, 2011, 11, 126.	2.6	22
68	Novel pyrimidopyrimidine derivatives for inhibition of cellular proliferation and motility induced by h-prune in breast cancer. European Journal of Medicinal Chemistry, 2012, 57, 41-50.	5.5	22
69	Metastatic group 3 medulloblastoma is driven by PRUNE1 targeting NME1–TGF-β–OTX2–SNAIL via PTEN inhibition. Brain, 2018, 141, 1300-1319.	7.6	22
70	Molecular studies of marsupial X chromosomes reveal limited sequence homology of mammalian X-linked genes. Genomics, 1987, 1, 19-28.	2.9	21
71	SEL1L, the human homolog of C. elegans sel-1: refined physical mapping, gene structure and identification of polymorphic markers. Human Genetics, 2000, 106, 227-235.	3.8	20
72	gH625 is a viral derived peptide for effective delivery of intrinsically disordered proteins. International Journal of Nanomedicine, 2013, 8, 2555.	6.7	20

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73	A therapeutic approach to treat prostate cancer by targeting Nm23-H1/h-Prune interaction. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 257-269.	3.0	20
74	Understanding h-prune biology in the fight against cancer. Clinical and Experimental Metastasis, 2007, 24, 637-645.	3.3	19
75	Tagging genes with cassette-exchange sites. Nucleic Acids Research, 2005, 33, e44-e44.	14.5	18
76	Epigenetic Silencing of DKK3 in Medulloblastoma. International Journal of Molecular Sciences, 2013, 14, 7492-7505.	4.1	18
77	A New Butyrate Releaser Exerts a Protective Action against SARS-CoV-2 Infection in Human Intestine. Molecules, 2022, 27, 862.	3.8	18
78	A mammalian homologue of the Drosophila retinal degeneration B gene: implications for the evolution of phototransduction mechanisms. Genes and Function, 1997, 1, 205-213.	2.8	16
79	Domain mapping on the human metastasis regulator protein h-Prune reveals a C-terminal dimerization domain. Biochemical Journal, 2007, 407, 199-205.	3.7	16
80	Regulatory Noncoding and Predicted Pathogenic Coding Variants of CCR5 Predispose to Severe COVID-19. International Journal of Molecular Sciences, 2021, 22, 5372.	4.1	16
81	A functional connectome: regulation of Wnt/TCF-dependent transcription by pairs of pathway activators. Molecular Cancer, 2015, 14, 206.	19.2	15
82	Unraveling genes and pathways influenced by H-prune PDE overexpression: a model to study cellular motility. Cell Cycle, 2004, 3, 758-61.	2.6	15
83	No evidence forSEL1L as a candidate gene forIDDM11-conferred susceptibility. Diabetes/Metabolism Research and Reviews, 2001, 17, 292-295.	4.0	14
84	The Quassinoid Derivative NBT-272 Targets Both the AKT and ERK Signaling Pathways in Embryonal Tumors. Molecular Cancer Therapeutics, 2010, 9, 3145-3157.	4.1	14
85	A Structurally Simple Vaccine Candidate Reduces Progression and Dissemination of Triple-Negative Breast Cancer. IScience, 2020, 23, 101250.	4.1	14
86	Progress on Nme (NDP kinase/Nm23/Awd) gene family-related functions derived from animal model systems: studies on development, cardiovascular disease, and cancer metastasis exemplified. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 109-117.	3.0	13
87	Novel human neutralizing mAbs specific for Spike-RBD of SARS-CoV-2. Scientific Reports, 2021, 11, 11046.	3.3	13
88	Method to express and purify nm23-H2 protein from baculovirus-infected cells. BioTechniques, 2003, 35, 384-391.	1.8	12
89	Mapping Functional Interaction Sites of Human Prune Câ€√erminal Domain by NMR Spectroscopy in Human Cell Lysates. Chemistry - A European Journal, 2013, 19, 12217-12220.	3.3	12

Seroprevalence of SARS-CoV-2-specific antibodies in the town of Ariano Irpino (Avellino, Campania,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5

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91	The TNFRSF13C H159Y Variant Is Associated with Severe COVID-19: A Retrospective Study of 500 Patients from Southern Italy. Genes, 2021, 12, 881.	2.4	12
92	Sequence and gene content in 52 kb including and centromeric to the G6PD gene in Xq28. DNA Sequence, 1995, 6, 1-11.	0.7	11
93	A new candidate region for the positional cloning of the XLP gene. European Journal of Human Genetics, 1998, 6, 509-517.	2.8	11
94	Prune-1 drives polarization of tumor-associated macrophages (TAMs) within the lung metastatic niche in triple-negative breast cancer. IScience, 2021, 24, 101938.	4.1	11
95	The metastasis suppressor protein NM23-H1 modulates the PI3K-AKT axis through interaction with the p110 $\hat{l}\pm$ catalytic subunit. Oncogenesis, 2021, 10, 34.	4.9	10
96	Identification of SARS-CoV-2 Proteins from Nasopharyngeal Swabs Probed by Multiple Reaction Monitoring Tandem Mass Spectrometry. ACS Omega, 2021, 6, 34945-34953.	3 . 5	10
97	Protective effects elicited by cow milk fermented with L. Paracasei CBAL74 against SARS-CoV-2 infection in human enterocytes. Journal of Functional Foods, 2021, 87, 104787.	3.4	9
98	Complete mutation scanning of the human SEL 1L gene: a candidate gene for type 1 diabetes. Acta Diabetologica, 2001, 38, 191-192.	2.5	8
99	Spatial and temporal expressions of prune reveal a role in MÃ $^1\!/\!\!$ 4ller gliogenesis during Xenopus retinal development. Gene, 2012, 509, 93-103.	2.2	8
100	Use of a sensitive fluorescent intercalating dye to detect PCR products of low copy number and high molecular weight Genome Research, 1993, 3, 115-119.	5 . 5	7
101	Genetics of recurrent medulloblastoma. Lancet Oncology, The, 2013, 14, 1147-1148.	10.7	7
102	Functional Genomics of PRUNE1 in Neurodevelopmental Disorders (NDDs) Tied to Medulloblastoma (MB) and Other Tumors. Frontiers in Oncology, 2021, 11, 758146.	2.8	7
103	Germline rare variants of lectin pathway genes predispose to asymptomatic SARS-CoV-2 infection in elderly individuals. Genetics in Medicine, 2022, , .	2.4	7
104	Identification of two paralogous regions mapping to the short and long arms of human chromosome 2 comprising LIS1 pseudogenes. Cytogenetic and Genome Research, 1999, 86, 225-232.	1.1	6
105	Telencephalic Embryonic Subtractive Sequences: A Unique Collection of Neurodevelopmental Genes. Journal of Neuroscience, 2005, 25, 7586-7600.	3.6	6
106	Sequencing Analysis of Forty-Eight Human Image cDNA Clones Similar to Drosophila Mutant Protein. DNA Sequence, 1998, 9, 307-315.	0.7	5
107	Allelic polymorphisms in the transcriptional regulatory region of human SEL1L. Mutation Research - Mutation Research Genomics, 2001, 458, 71-76.	1.1	5
108	New mutations identified in the ocular albinism type 1 gene. Gene, 2007, 402, 20-27.	2.2	5

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109	A competitive cell-permeable peptide impairs Nme-1 (NDPK-A) and Prune-1 interaction: therapeutic applications in cancer. Laboratory Investigation, 2018, 98, 571-581.	3.7	5
110	In vivo bioluminescence imaging using orthotopic xenografts towards patient's derived-xenograft Medulloblastoma models. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2017, 61, 95-101.	0.7	5
111	A manual high-throughput M13 DNA preparation. BioTechniques, 1994, 16, 370-2.	1.8	5
112	Durability of Humoral Immune Responses to SARS-CoV-2 in Citizens of Ariano Irpino (Campania, Italy): A Longitudinal Observational Study With an 11.5-Month Follow-Up. Frontiers in Public Health, 2021, 9, 801609.	2.7	5
113	A method for point mutation analysis that links SSCP and dye primer fluorescent sequencing. Molecular and Cellular Probes, 1998, 12, 125-131.	2.1	4
114	Loss of Detection of sgN Precedes Viral Abridged Replication in COVID-19-Affected Patients—A Target for SARS-CoV-2 Propagation. International Journal of Molecular Sciences, 2022, 23, 1941.	4.1	4
115	Loss of 10q26.1–q26.3 in association with 7q34–q36.3 gain or 17q24.3–q25.3 gain predict poor outcome in pediatric medulloblastoma. Cancer Letters, 2011, 308, 215-224.	7.2	3
116	SARS-CoV-2 Pandemic Tracing in Italy Highlights Lineages with Mutational Burden in Growing Subsets. International Journal of Molecular Sciences, 2022, 23, 4155.	4.1	3
117	A Novel Human Neutralizing mAb Recognizes Delta, Gamma and Omicron Variants of SARS-CoV-2 and Can Be Used in Combination with Sotrovimab. International Journal of Molecular Sciences, 2022, 23, 5556.	4.1	3
118	A Method to Direct Sequence Cosmid LAWRIST16 Clones. DNA Sequence, 1997, 7, 229-233.	0.7	2
119	Immunotherapy Bridge 2017 and Melanoma Bridge 2017: meeting abstracts. Journal of Translational Medicine, 2018, 16, .	4.4	2
120	Immune Cells Within the Tumor Microenvironment. , 2014, , 1-23.		2
121	Glioblastoma stem cells differentiation through epigenetic modulation is driven by miR-296-5p/HMGA1/Sox2 axis. Translational Cancer Research, 2016, 5, S782-S788.	1.0	2
122	A semi-automated method for preparing high-quality plasmid templates in 96-well format ready for automated DNA sequencing. Technical Tips Online, 1997, 2, 184-187.	0.2	0
123	Investigating h-Prune activation of Wnt signalling in breast cancer. Breast Cancer Research, 2008, 10, .	5.0	O
124	MicroRNAs and Cancer Stem Cells in Medulloblastoma. , 0, , .		O
125	Molecular Biology and Genetics of Medulloblastoma. , 2015, , 265-286.		O
126	Reply: PRUNE1: a disease-causing gene for secondary microcephaly. Brain, 2017, 140, e62-e62.	7.6	0

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127	MBRS-52. TARGETING PRUNE-1 IN A GEMM OF METASTATIC MEDULLOBLASTOMA: A POTENTIAL ROUTE OF INHIBITION FOR NEW FUTURE THERAPIES. Neuro-Oncology, 2018, 20, i139-i139.	1.2	O
128	Common Variants at 21q22.3 Locus Influence $\langle i \rangle MX1 \langle i \rangle$ Gene Expression and Susceptibility to Severe COVID-19. SSRN Electronic Journal, 0, , .	0.4	0
129	Regulation of DMT1 (non IRE isoform) by MicroRNA LET-7D. Blood, 2008, 112, 416-416.	1.4	O
130	${\sf GSK3\hat{1}^2}$ Signaling Regulates the Motility of Hematopoietic Progenitors Via Prune Blood, 2010, 116, 1553-1553.	1.4	0
131	Prune. , 2011, , 3108-3111.		O
132	GSK3 \hat{l}^2 regulates physiological migration of stem/progenitor cells via cytoskeletal rearrangement. Journal of Clinical Investigation, 2013, 123, 3183-3183.	8.2	0
133	Prune. , 2016, , 3840-3843.		0
134	Pattern of Relapse and Treatment Response in WNT-Activated Medulloblastoma. SSRN Electronic Journal, $0, , .$	0.4	0
135	Molecular detection of SARS-CoV-2 eta VOI in Northern Italy: a case report. Clinical Chemistry and Laboratory Medicine, 2022, 60, 61-63.	2.3	O
136	Prune. , 2008, , 2487-2489.		0