Luca Mattei

List of Publications by Year
in descending order

49 papers	23,585 citations	81839 39 h-index	175177 52 g-index
53 all docs	53 docs citations	53 times ranked	32009 citing authors

#	Article	IF	Citations
1	The Immune Landscape of Cancer. Immunity, 2018, 48, 812-830.e14.	6.6	3,706
2	An Integrated TCGA Pan-Cancer Clinical Data Resource to Drive High-Quality Survival Outcome Analytics. Cell, 2018, 173, 400-416.e11.	13.5	2,277
3	Oncogenic Signaling Pathways in The Cancer Genome Atlas. Cell, 2018, 173, 321-337.e10.	13.5	2,111
4	Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. Cell, 2018, 173, 291-304.e6.	13.5	1,718
5	Comprehensive Characterization of Cancer Driver Genes and Mutations. Cell, 2018, 173, 371-385.e18.	13.5	1,670
6	Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation. Cell, 2018, 173, 338-354.e15.	13.5	1,417
7	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. Cell Reports, 2018, 23, 239-254.e6.	2.9	801
8	Genomic and Functional Approaches to Understanding Cancer Aneuploidy. Cancer Cell, 2018, 33, 676-689.e3.	7.7	750
9	Spatial Organization and Molecular Correlation of Tumor-Infiltrating Lymphocytes Using Deep Learning on Pathology Images. Cell Reports, 2018, 23, 181-193.e7.	2.9	683
10	Comprehensive Analysis of Alternative Splicing Across Tumors from 8,705 Patients. Cancer Cell, 2018, 34, 211-224.e6.	7.7	623
11	Pathogenic Germline Variants in 10,389 Adult Cancers. Cell, 2018, 173, 355-370.e14.	13.5	620
12	Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. Cell Systems, 2018, 6, 271-281.e7.	2.9	605
13	The Cancer Genome Atlas Comprehensive Molecular Characterization of Renal Cell Carcinoma. Cell Reports, 2018, 23, 313-326.e5.	2.9	523
14	A Comprehensive Pan-Cancer Molecular Study of Gynecologic and Breast Cancers. Cancer Cell, 2018, 33, 690-705.e9.	7.7	478
15	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. Cell Reports, 2018, 23, 227-238.e3.	2.9	407
16	lncRNA Epigenetic Landscape Analysis Identifies EPIC1 as an Oncogenic lncRNA that Interacts with MYC and Promotes Cell-Cycle Progression in Cancer. Cancer Cell, 2018, 33, 706-720.e9.	7.7	400
17	Comparative Molecular Analysis of Gastrointestinal Adenocarcinomas. Cancer Cell, 2018, 33, 721-735.e8.	7.7	396
18	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. Cell Reports, 2018, 23, 282-296.e4.	2.9	333

#	Article	IF	Citations
19	Comprehensive Molecular Characterization of the Hippo Signaling Pathway in Cancer. Cell Reports, 2018, 25, 1304-1317.e5.	2.9	329
20	Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. Cell Systems, 2018, 6, 282-300.e2.	2.9	284
21	Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. Cell, 2018, 173, 305-320.e10.	13.5	272
22	Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. Cell Reports, 2018, 23, 194-212.e6.	2.9	245
23	A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. Cell, 2018, 173, 386-399.e12.	13.5	228
24	Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. Cell Reports, 2018, 23, 297-312.e12.	2.9	205
25	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. Cell Reports, 2018, 23, 255-269.e4.	2.9	204
26	Systematic Analysis of Splice-Site-Creating Mutations in Cancer. Cell Reports, 2018, 23, 270-281.e3.	2.9	177
27	Intraoperative Contrast-Enhanced Ultrasound for Brain Tumor Surgery. Neurosurgery, 2014, 74, 542-552.	0.6	163
28	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF-β Superfamily. Cell Systems, 2018, 7, 422-437.e7.	2.9	134
29	Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. Cell Reports, 2018, 23, 172-180.e3.	2.9	119
30	Preoperative Magnetic Resonance and Intraoperative Ultrasound Fusion Imaging for Real-Time Neuronavigation in Brain Tumor Surgery. Ultraschall in Der Medizin, 2015, 36, 174-186.	0.8	86
31	Integrated Genomic Analysis of the Ubiquitin Pathway across Cancer Types. Cell Reports, 2018, 23, 213-226.e3.	2.9	83
32	Intraoperative Cerebral Glioma Characterization with Contrast Enhanced Ultrasound. BioMed Research International, 2014, 2014, 1-9.	0.9	71
33	Fusion imaging for intra-operative ultrasound-based navigation in neurosurgery. Journal of Ultrasound, 2014, 17, 243-251.	0.7	60
34	Advanced Ultrasound Imaging in Glioma Surgery: Beyond Gray-Scale B-mode. Frontiers in Oncology, 2018, 8, 576.	1.3	60
35	Intraoperative Strain Elastosonography in Brain Tumor Surgery. Operative Neurosurgery, 2019, 17, 227-236.	0.4	48
36	From Grey Scale B-Mode to Elastosonography: Multimodal Ultrasound Imaging in Meningioma Surgeryâ€"Pictorial Essay and Literature Review. BioMed Research International, 2015, 2015, 1-13.	0.9	47

#	Article	IF	Citations
37	Intraoperative Navigated Angiosonography for Skull Base Tumor Surgery. World Neurosurgery, 2015, 84, 1699-1707.	0.7	39
38	Craniotomy vs. craniectomy for posterior fossa tumors: a prospective study to evaluate complications after surgery. Acta Neurochirurgica, 2013, 155, 2281-2286.	0.9	38
39	Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. Neurological Sciences, 2013, 34, 1551-1557.	0.9	24
40	Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. Acta Neurochirurgica, 2018, 160, 2087-2097.	0.9	21
41	Neurosurgical tools to extend tumor resection in hemispheric low-grade gliomas: conventional and contrast enhanced ultrasonography. Child's Nervous System, 2016, 32, 1907-1914.	0.6	20
42	Transphenoidal surgery in acromegalic patients: anatomical considerations and potential pitfalls. Acta Neurochirurgica, 2013, 155, 125-130.	0.9	16
43	Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. Operative Neurosurgery, 2019, 17, 403-412.	0.4	15
44	The â€œSTARS-CASCADEâ€•Study: Virtual Reality Simulation as a New Training Approach in Vascular Neurosurgery. World Neurosurgery, 2021, 154, e130-e146.	0.7	14
45	Differentiating brain radionecrosis from tumour recurrence: a role for contrast-enhanced ultrasound?. Acta Neurochirurgica, 2017, 159, 2405-2408.	0.9	10
46	Definition and assessment of frailty in older patients: the surgical, anaesthesiological and oncological perspective. Ecancermedicalscience, 2020, 14, 1105.	0.6	3
47	US Physics, Basic Principles, and Clinical Application. , 2016, , 9-17.		2
48	INTRAOPERATIVE CONTRAST ENHANCED ULTRASOUND IN BRAIN TUMOR SURGERY. Neuro-Oncology, 2014, 16, iii10-iii10.	0.6	1
49	Brain Tectal Tumors: A Flexible Approach. Operative Neurosurgery, 2019, 16, E95-E100.	0.4	1