

Luca Mattei

List of Publications by Year in descending order

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49
papers

23,585
citations

81839

39
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175177

52
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53
all docs

53
docs citations

53
times ranked

32009
citing authors

#	ARTICLE	IF	CITATIONS
1	The "STARS-CASCADE" Study: Virtual Reality Simulation as a New Training Approach in Vascular Neurosurgery. <i>World Neurosurgery</i> , 2021, 154, e130-e146.	0.7	14
2	Definition and assessment of frailty in older patients: the surgical, anaesthesiological and oncological perspective. <i>Ecancermedalscience</i> , 2020, 14, 1105.	0.6	3
3	Brain Tectal Tumors: A Flexible Approach. <i>Operative Neurosurgery</i> , 2019, 16, E95-E100.	0.4	1
4	Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. <i>Operative Neurosurgery</i> , 2019, 17, 403-412.	0.4	15
5	Intraoperative Strain Elastosonography in Brain Tumor Surgery. <i>Operative Neurosurgery</i> , 2019, 17, 227-236.	0.4	48
6	An Integrated TCGA Pan-Cancer Clinical Data Resource to Drive High-Quality Survival Outcome Analytics. <i>Cell</i> , 2018, 173, 400-416.e11.	13.5	2,277
7	Comprehensive Characterization of Cancer Driver Genes and Mutations. <i>Cell</i> , 2018, 173, 371-385.e18.	13.5	1,670
8	Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. <i>Cell</i> , 2018, 173, 291-304.e6.	13.5	1,718
9	A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. <i>Cell</i> , 2018, 173, 386-399.e12.	13.5	228
10	Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. <i>Cell</i> , 2018, 173, 305-320.e10.	13.5	272
11	Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation. <i>Cell</i> , 2018, 173, 338-354.e15.	13.5	1,417
12	Oncogenic Signaling Pathways in The Cancer Genome Atlas. <i>Cell</i> , 2018, 173, 321-337.e10.	13.5	2,111
13	Pathogenic Germline Variants in 10,389 Adult Cancers. <i>Cell</i> , 2018, 173, 355-370.e14.	13.5	620
14	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. <i>Cell Reports</i> , 2018, 23, 282-296.e4.	2.9	333
15	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. <i>Cell Reports</i> , 2018, 23, 227-238.e3.	2.9	407
16	Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. <i>Cell Reports</i> , 2018, 23, 194-212.e6.	2.9	245
17	Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. <i>Cell Reports</i> , 2018, 23, 297-312.e12.	2.9	205
18	The Cancer Genome Atlas Comprehensive Molecular Characterization of Renal Cell Carcinoma. <i>Cell Reports</i> , 2018, 23, 313-326.e5.	2.9	523

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19	Spatial Organization and Molecular Correlation of Tumor-Infiltrating Lymphocytes Using Deep Learning on Pathology Images. <i>Cell Reports</i> , 2018, 23, 181-193.e7.	2.9	683
20	The Immune Landscape of Cancer. <i>Immunity</i> , 2018, 48, 812-830.e14.	6.6	3,706
21	Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. <i>Cell Reports</i> , 2018, 23, 172-180.e3.	2.9	119
22	Integrated Genomic Analysis of the Ubiquitin Pathway across Cancer Types. <i>Cell Reports</i> , 2018, 23, 213-226.e3.	2.9	83
23	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. <i>Cell Reports</i> , 2018, 23, 239-254.e6.	2.9	801
24	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. <i>Cell Reports</i> , 2018, 23, 255-269.e4.	2.9	204
25	Systematic Analysis of Splice-Site-Creating Mutations in Cancer. <i>Cell Reports</i> , 2018, 23, 270-281.e3.	2.9	177
26	Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. <i>Cell Systems</i> , 2018, 6, 271-281.e7.	2.9	605
27	Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. <i>Cell Systems</i> , 2018, 6, 282-300.e2.	2.9	284
28	lncRNA Epigenetic Landscape Analysis Identifies EPIC1 as an Oncogenic lncRNA that Interacts with MYC and Promotes Cell-Cycle Progression in Cancer. <i>Cancer Cell</i> , 2018, 33, 706-720.e9.	7.7	400
29	Genomic and Functional Approaches to Understanding Cancer Aneuploidy. <i>Cancer Cell</i> , 2018, 33, 676-689.e3.	7.7	750
30	Comparative Molecular Analysis of Gastrointestinal Adenocarcinomas. <i>Cancer Cell</i> , 2018, 33, 721-735.e8.	7.7	396
31	A Comprehensive Pan-Cancer Molecular Study of Gynecologic and Breast Cancers. <i>Cancer Cell</i> , 2018, 33, 690-705.e9.	7.7	478
32	Advanced Ultrasound Imaging in Glioma Surgery: Beyond Gray-Scale B-mode. <i>Frontiers in Oncology</i> , 2018, 8, 576.	1.3	60
33	Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. <i>Acta Neurochirurgica</i> , 2018, 160, 2087-2097.	0.9	21
34	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF- β Superfamily. <i>Cell Systems</i> , 2018, 7, 422-437.e7.	2.9	134
35	Comprehensive Molecular Characterization of the Hippo Signaling Pathway in Cancer. <i>Cell Reports</i> , 2018, 25, 1304-1317.e5.	2.9	329
36	Comprehensive Analysis of Alternative Splicing Across Tumors from 8,705 Patients. <i>Cancer Cell</i> , 2018, 34, 211-224.e6.	7.7	623

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37	Differentiating brain radionecrosis from tumour recurrence: a role for contrast-enhanced ultrasound?. <i>Acta Neurochirurgica</i> , 2017, 159, 2405-2408.	0.9	10
38	Neurosurgical tools to extend tumor resection in hemispheric low-grade gliomas: conventional and contrast enhanced ultrasonography. <i>Child's Nervous System</i> , 2016, 32, 1907-1914.	0.6	20
39	US Physics, Basic Principles, and Clinical Application. , 2016, , 9-17.		2
40	From Grey Scale B-Mode to Elastosonography: Multimodal Ultrasound Imaging in Meningioma Surgeryâ€”Pictorial Essay and Literature Review. <i>BioMed Research International</i> , 2015, 2015, 1-13.	0.9	47
41	Preoperative Magnetic Resonance and Intraoperative Ultrasound Fusion Imaging for Real-Time Neuronavigation in Brain Tumor Surgery. <i>Ultraschall in Der Medizin</i> , 2015, 36, 174-186.	0.8	86
42	Intraoperative Navigated Angiosonography for Skull Base Tumor Surgery. <i>World Neurosurgery</i> , 2015, 84, 1699-1707.	0.7	39
43	Intraoperative Cerebral Glioma Characterization with Contrast Enhanced Ultrasound. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	71
44	INTRAOPERATIVE CONTRAST ENHANCED ULTRASOUND IN BRAIN TUMOR SURGERY. <i>Neuro-Oncology</i> , 2014, 16, iii10-iii10.	0.6	1
45	Intraoperative Contrast-Enhanced Ultrasound for Brain Tumor Surgery. <i>Neurosurgery</i> , 2014, 74, 542-552.	0.6	163
46	Fusion imaging for intra-operative ultrasound-based navigation in neurosurgery. <i>Journal of Ultrasound</i> , 2014, 17, 243-251.	0.7	60
47	Craniotomy vs. craniectomy for posterior fossa tumors: a prospective study to evaluate complications after surgery. <i>Acta Neurochirurgica</i> , 2013, 155, 2281-2286.	0.9	38
48	Transphenoidal surgery in acromegalic patients: anatomical considerations and potential pitfalls. <i>Acta Neurochirurgica</i> , 2013, 155, 125-130.	0.9	16
49	Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. <i>Neurological Sciences</i> , 2013, 34, 1551-1557.	0.9	24