List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Deep spatial profiling of human COVID-19 brains reveals neuroinflammation with distinct microanatomical microglia-T-cell interactions. Immunity, 2021, 54, 1594-1610.e11.	6.6	210
2	The blood-brain barrier is dysregulated in COVID-19 and serves as a CNS entry route for SARS-CoV-2. Stem Cell Reports, 2022, 17, 307-320.	2.3	138
3	Molecular consequences of SARS-CoV-2 liver tropism. Nature Metabolism, 2022, 4, 310-319.	5.1	98
4	Mechanical Properties of Human Dura Mater in Tension – An Analysis at an Age Range of 2 to 94 Years. Scientific Reports, 2019, 9, 16655.	1.6	72
5	Cervical vagus nerve morphometry and vascularity in the context of nerve stimulation - A cadaveric study. Scientific Reports, 2018, 8, 7997.	1.6	57
6	Water-content related alterations in macro and micro scale tendon biomechanics. Scientific Reports, 2019, 9, 7887.	1.6	49
7	Chest compression-associated injuries in cardiac arrest patients treated with manual chest compressions versus automated chest compression devices (LUCAS II) – a forensic autopsy-based comparison. Forensic Science, Medicine, and Pathology, 2018, 14, 515-525.	0.6	47
8	Utilization of 3D printing technology to facilitate and standardize soft tissue testing. Scientific Reports, 2018, 8, 11340.	1.6	42
9	Cardiac SARS-CoV-2 infection is associated with pro-inflammatory transcriptomic alterations within the heart. Cardiovascular Research, 2022, 118, 542-555.	1.8	42
10	Acute phase response after fatal traumatic brain injury. International Journal of Legal Medicine, 2018, 132, 531-539.	1.2	41
11	Replication of SARS-CoV-2 in adipose tissue determines organ and systemic lipid metabolism in hamsters and humans. Cell Metabolism, 2022, 34, 1-2.	7.2	37
12	S100B and NSE as Useful Postmortem Biochemical Markers of Traumatic Brain Injury in Autopsy Cases. Journal of Neurotrauma, 2013, 30, 1862-1871.	1.7	36
13	First Identified Case of Fatal Fulminant Necrotizing Eosinophilic Myocarditis Following the Initial Dose of the Pfizer-BioNTech mRNA COVID-19 Vaccine (BNT162b2, Comirnaty): an Extremely Rare Idiosyncratic Hypersensitivity Reaction. Journal of Clinical Immunology, 2022, 42, 441-447.	2.0	36
14	Phenoxyethanolâ€Based Embalming for Anatomy Teaching: An 18 Years' Experience with Crosado Embalming at the University of Otago in New Zealand. Anatomical Sciences Education, 2020, 13, 778-793.	2.5	35
15	Nodular pulmonary amyloidosis with spontaneous fatal blood aspiration. Forensic Science International, 2016, 262, e1-e4.	1.3	32
16	Intra-individual alterations of serum markers routinely used in forensic pathology depending on increasing post-mortem interval. Scientific Reports, 2018, 8, 12811.	1.6	30
17	TMEM119 as a specific marker of microglia reaction in traumatic brain injury in postmortem examination. International Journal of Legal Medicine, 2020, 134, 2167-2176.	1.2	30
18	Deaths associated with newly launched SARS-CoV-2 vaccination (Comirnaty®). Legal Medicine, 2021, 51, 101895.	0.6	30

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19	Prospective postmortem evaluation of 735 consecutive SARS-CoV-2-associated death cases. Scientific Reports, 2021, 11, 19342.	1.6	28
20	Organ manifestations of COVID-19: what have we learned so far (not only) from autopsies?. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2022, 481, 139-159.	1.4	28
21	Detection of hypoxia markers in the cerebellum after a traumatic frontal cortex injury: a human postmortem gene expression analysis. International Journal of Legal Medicine, 2015, 129, 701-707.	1.2	27
22	Tissue biomechanics of the human head are altered by Thiel embalming, restricting its use for biomechanical validation. Clinical Anatomy, 2019, 32, 903-913.	1.5	27
23	Immunohistochemical Investigation of S100 and NSE in Cases of Traumatic Brain Injury and Its Application for Survival Time Determination. Journal of Neurotrauma, 2015, 32, 430-440.	1.7	26
24	Post-mortem biochemistry of NSE and S100B: A supplemental tool for detecting a lethal traumatic brain injury?. Journal of Clinical Forensic and Legal Medicine, 2018, 55, 65-73.	0.5	26
25	Survival-time dependent increase in neuronal IL-6 and astroglial GFAP expression in fatally injured human brain tissue. Scientific Reports, 2019, 9, 11771.	1.6	25
26	Mechanical properties of the human scalp in tension. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 188-197.	1.5	23
27	An Investigation on the Correlation between the Mechanical Properties of Human Skull Bone, Its Geometry, Microarchitectural Properties, and Water Content. Journal of Healthcare Engineering, 2019, 2019, 1-8.	1.1	22
28	The handling of SARS-CoV-2 associated deathsÂ-Âinfectivity of the body. Forensic Science, Medicine, and Pathology, 2021, 17, 411-418.	0.6	21
29	Measurement of Cerebral Biomarkers Proving Traumatic Brain Injuries in Post-Mortem Body Fluids. Journal of Neurotrauma, 2018, 35, 2044-2055.	1.7	20
30	Cerebellar Gene Expression following Human Traumatic Brain Injury. Journal of Neurotrauma, 2012, 29, 2716-2721.	1.7	19
31	Tensile properties of the human iliotibial tract depend on height and weight. Medical Engineering and Physics, 2019, 69, 85-91.	0.8	19
32	Post-mortem in situ stability of serum markers of cerebral damage and acute phase response. International Journal of Legal Medicine, 2019, 133, 871-881.	1.2	19
33	An ossifying bridge – on the structural continuity between the Achilles tendon and the plantar fascia. Scientific Reports, 2020, 10, 14523.	1.6	19
34	Fast microglial activation after severe traumatic brain injuries. International Journal of Legal Medicine, 2020, 134, 2187-2193.	1.2	19
35	Suicide by the intraoral blast of firecrackers — experimental simulation using a skull simulant model. International Journal of Legal Medicine, 2017, 131, 1581-1587	1.2	18
36	Passive load-deformation properties of human temporal muscle. Journal of Biomechanics, 2020, 106, 109829.	0.9	18

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37	Identifying Fatal Head Injuries on Postmortem Computed Tomography Using Convolutional Neural Network/Deep Learning: A Feasibility Study. Journal of Forensic Sciences, 2020, 65, 2019-2022.	0.9	18
38	Standardized tensile testing of soft tissue using a 3D printed clamping system. HardwareX, 2020, 8, e00159.	1.1	17
39	Migrating Myofibroblastic Iliotibial Band-Derived Fibroblasts Represent a Promising Cell Source for Ligament Reconstruction. International Journal of Molecular Sciences, 2019, 20, 1972.	1.8	16
40	Mechanical properties of native and acellular temporal muscle fascia for surgical reconstruction and computational modelling purposes. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103833.	1.5	16
41	Loneliness among Homeless Individuals during the First Wave of the COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2021, 18, 3035.	1.2	16
42	Pulmonary artery perforation and coronary air embolism—two fatal outcomes in percutaneous left atrial appendage occlusion. International Journal of Legal Medicine, 2017, 131, 191-197.	1.2	15
43	Metabolomics in postmortem cerebrospinal fluid diagnostics: a state-of-the-art method to interpret central nervous system–related pathological processes. International Journal of Legal Medicine, 2021, 135, 183-191.	1.2	15
44	GFAP positivity in neurons following traumatic brain injuries. International Journal of Legal Medicine, 2021, 135, 2323-2333.	1.2	15
45	Frequency and intensity of pulmonary bone marrow and fat embolism due to manual or automated chest compressions during cardiopulmonary resuscitation. Forensic Science, Medicine, and Pathology, 2019, 15, 48-55.	0.6	14
46	Post mortem tryptase: A review of literature on its use, sampling and interpretation in the investigation of fatal anaphylaxis. Forensic Science International, 2020, 314, 110415.	1.3	14
47	Innervation of the hip joint capsular complex: A systematic review of histological and immunohistochemical studies and their clinical implications for contemporary treatment strategies in total hip arthroplasty. PLoS ONE, 2020, 15, e0229128.	1.1	14
48	Targeting Runt-Related Transcription Factor 1 Prevents Pulmonary Fibrosis and Reduces Expression of Severe Acute Respiratory Syndrome Coronavirus 2 Host Mediators. American Journal of Pathology, 2021, 191, 1193-1208.	1.9	14
49	COVID-19 lungs in post-mortem computed tomography. Rechtsmedizin, 2021, 31, 145-147.	2.6	13
50	Determinants of health-related quality of life among homeless individuals during the COVID-19 pandemic. Public Health, 2021, 194, 60-66.	1.4	13
51	The effects of different sampling techniques on peripheral post mortem tryptase levels: a recommended sampling method. International Journal of Legal Medicine, 2019, 133, 1477-1483.	1.2	12
52	Topographical mapping of the mechanical characteristics of the human neurocranium considering the role of individual layers. Scientific Reports, 2021, 11, 3721.	1.6	12
53	Multiorgan tropism of SARS-CoV-2 lineage B.1.1.7. International Journal of Legal Medicine, 2021, 135, 2347-2349.	1.2	12
54	Myelin basic protein and neurofilament H in postmortem cerebrospinal fluid as surrogate markers of fatal traumatic brain injury. International Journal of Legal Medicine, 2021, 135, 1525-1535.	1.2	11

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55	Significant Differences in PostMortem Heart Weight Before and After Dissection Using the Shortâ€Axis Dissecting Method. Journal of Forensic Sciences, 2020, 65, 1563-1567.	0.9	10
56	Proposals for best-quality immunohistochemical staining of paraffin-embedded brain tissue slides in forensics. International Journal of Legal Medicine, 2018, 132, 1103-1109.	1.2	9
57	A biomechanical comparison between human calvarial bone and a skull simulant considering the role of attached periosteum and dura mater. International Journal of Legal Medicine, 2019, 133, 1603-1610.	1.2	9
58	Post-mortem cerebrospinal fluid diagnostics: cytology and immunocytochemistry method suitable for routine use to interpret pathological processes in the central nervous system. International Journal of Legal Medicine, 2019, 133, 1141-1146.	1.2	9
59	Identifying gross postâ€mortem organ images using a preâ€ŧrained convolutional neural network. Journal of Forensic Sciences, 2021, 66, 630-635.	0.9	9
60	Assessing Protein Biomarkers to Detect Lethal Acute Traumatic Brain Injuries in Cerebrospinal Fluid. Biomolecules, 2021, 11, 1577.	1.8	9
61	Forensic biomarkers of lethal traumatic brain injury. International Journal of Legal Medicine, 2022, 136, 871-886.	1.2	9
62	Using vitreous humour and cerebrospinal fluid electrolytes in estimating post-mortem interval - an exploratory study. Australian Journal of Forensic Sciences, 2020, 52, 626-633.	0.7	8
63	What Is Considered a Variation of Biomechanical Parameters in Tensile Tests of Collagen-Rich Human Soft Tissues?—Critical Considerations Using the Human Cranial Dura Mater as a Representative Morpho-Mechanic Model. Medicina (Lithuania), 2020, 56, 520.	0.8	8
64	Quantitative evidence of suppressed TMEM119 microglial immunohistochemistry in fatal morphine intoxications. International Journal of Legal Medicine, 2021, 135, 2315-2322.	1.2	8
65	Traffic accident or dumping? – Striking results of a traffic accident reconstruction. Legal Medicine, 2017, 24, 63-66.	0.6	7
66	Cardiopulmonary resuscitation-associated injuries in still-/newborns, infants and toddlers in a German forensic collective. Forensic Science International, 2017, 279, 235-240.	1.3	7
67	Anatomical structures at risk using different approaches for sacrospinous ligament fixation. Clinical Anatomy, 2020, 33, 522-529.	1.5	7
68	Preliminary observations of the sequence of damage in excised human juvenile cranial bone at speeds equivalent to falls from 1.6 m. International Journal of Legal Medicine, 2021, 135, 527-538.	1.2	7
69	Biomechanical characterization of human temporal muscle fascia in uniaxial tensile tests for graft purposes in duraplasty. Scientific Reports, 2021, 11, 2127.	1.6	7
70	Classifying Microscopic Acute and Old Myocardial Infarction Using Convolutional Neural Networks. American Journal of Forensic Medicine and Pathology, 2021, 42, 230-234.	0.4	7
71	Ultrasound in legal medicine—a missed opportunity or simply too late? A narrative review of ultrasonic applications in forensic contexts. International Journal of Legal Medicine, 2021, 135, 2363-2383.	1.2	7
72	Drug- and/or trauma-induced hyperthermia? Characterization of HSP70 and myoglobin expression. PLoS ONE, 2018, 13, e0194442.	1.1	7

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73	Rare cause of natural death in forensic setting: hemophagocytic syndrome. International Journal of Legal Medicine, 2016, 130, 777-781.	1.2	6
74	The effects of drying the rinsed dissected heart on postmortem heart weight. Journal of Forensic Sciences, 2022, 67, 251-256.	0.9	6
75	Estimating heart mass from heart volume as measured from post-mortem computed tomography. Forensic Science, Medicine, and Pathology, 2022, 18, 333-342.	0.6	6
76	Entomological and Cardiologic Evidence of Time Since Death in Short Postmortem Intervals. Journal of Forensic Sciences, 2019, 64, 1563-1567.	0.9	5
77	Load-deformation characteristics of acellular human scalp: assessing tissue grafts from a material testing perspective. Scientific Reports, 2020, 10, 19243.	1.6	5
78	Determinants of health care use among homeless individuals: evidence from the Hamburg survey of homeless individuals. BMC Health Services Research, 2021, 21, 317.	0.9	5
79	Screening for Fatal Traumatic Brain Injuries in Cerebrospinal Fluid Using Blood-Validated CK and CK–MB Immunoassays. Biomolecules, 2021, 11, 1061.	1.8	5
80	Bone mineral density modeling via random field: Normality, stationarity, sex and age dependence. Computer Methods and Programs in Biomedicine, 2021, 210, 106353.	2.6	5
81	On the correlations of biomechanical properties of super-imposed temporal tissue layers and their age-, sex-, side- and post-mortem interval dependence. Journal of Biomechanics, 2022, 130, 110847.	0.9	5
82	Robotic Tissue Sampling for Safe Post-Mortem Biopsy in Infectious Corpses. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 94-105.	2.1	5
83	Decellularized Iliotibial Band Recolonized with Allogenic Homotopic Fibroblasts or Bone Marrow-Derived Mesenchymal Stromal Cells. Methods in Molecular Biology, 2017, 1577, 55-69.	0.4	4
84	Elevation of Postmortem Cerebrospinal Fluid Sodium and Chloride Levels Is a Potential Adjunct Test in the Diagnosis of Salt Water Drowning. American Journal of Forensic Medicine and Pathology, 2019, 40, 251-257.	0.4	4
85	Surface coating and speckling of the human iliotibial tract does not affect its load-deformation properties. Scientific Reports, 2020, 10, 20747.	1.6	4
86	Black Duodenum in Fatal Diabetic Ketoacidosis. American Journal of Forensic Medicine and Pathology, 2020, 41, 82-84.	0.4	4
87	Assessment of plantaris and peroneus tertius tendons as graft materials for ankle ligament reconstructions – A cadaveric biomechanical study. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104244.	1.5	4
88	The dynamic impact behavior of the human neurocranium. Scientific Reports, 2021, 11, 11331.	1.6	4
89	Heart Weight Is an Independent Factor Associated With, But Is a Poor Predictor for, Sudden Cardiac Death. American Journal of Forensic Medicine and Pathology, 2022, 43, 18-22.	0.4	4
90	Unusual planned complex suicide committed with a muzzle-loading pistol in combination with subsequent hanging. Archiv Für Kriminologie, 2016, 238, 207-217.	0.1	4

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91	Sudden cardiac deaths have higher proportion of left stellate ganglionitis. Forensic Science, Medicine, and Pathology, 2022, 18, 156-164.	0.6	4
92	Ageâ€, sexâ€, and subregionâ€specific properties of distal fibular microarchitecture and strength: An ex vivo HRâ€pQCT study. Journal of Orthopaedic Research, 2023, 41, 355-363.	1.2	4
93	Potential use of deep learning techniques for postmortem imaging—moving beyond postmortem radiology. Forensic Science, Medicine, and Pathology, 2021, 17, 540-541.	0.6	3
94	Dying of VOC-202012/01 — multimodal investigations in a death case of the SARS-CoV-2 variant. International Journal of Legal Medicine, 2022, 136, 193-202.	1.2	3
95	Medicolegal Implications of Biphasic Anaphylaxis. American Journal of Forensic Medicine and Pathology, 2021, 42, 109-117.	0.4	3
96	Needle insertion planning for obstacle avoidance in robotic biopsy. Current Directions in Biomedical Engineering, 2021, 7, 779-782.	0.2	3
97	New Insights in the Occurrence of Venous Thromboembolism in Critically III Patients with COVID-19—A Large Postmortem and Clinical Analysis. Viruses, 2022, 14, 811.	1.5	3
98	Examination of invisible injuries. Rechtsmedizin, 2015, 25, 543-547.	2.6	2
99	Variations in Subscapularis Muscle Innervation—A Report on Case Series. Medicina (Lithuania), 2020, 56, 532.	0.8	2
100	Why heel spurs are traction spurs after all. Scientific Reports, 2021, 11, 13291.	1.6	2
101	"Body stuffing―and "Body packing― Forensic control of human excrements in police custody in Hamburg, Germany. Legal Medicine, 2021, 53, 101940.	0.6	2
102	How Complex Is the Complex Innervation of the Hip Joint Capsular Complex?. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2021, 37, 2022-2024.	1.3	2
103	Combining Postmortem Cerebrospinal Fluid Biochemistry With Lung-to-Body Ratio to Aid the Diagnosis of Salt Water Drowning. American Journal of Forensic Medicine and Pathology, 2020, 41, 276-279.	0.4	2
104	Differences Between Central and Peripheral Postmortem Tryptase Levels. American Journal of Forensic Medicine and Pathology, 2021, 42, 125-129.	0.4	2
105	Biochemistry in traumatic brain injury: Even useful in postmortem setting. Romanian Journal of Legal Medicine, 2017, 25, 301-302.	0.3	2
106	Ventricular Weight Increases Proportionally With Total Heart Weight in Postmortem Population. American Journal of Forensic Medicine and Pathology, 2020, 41, 259-262.	0.4	2
107	Phlegmonous Psoas Muscle Infection Causing Sepsis and Death With Missing Postmortem Computed Tomography Scan Correlation. American Journal of Forensic Medicine and Pathology, 2021, 42, 170-173.	0.4	2
108	Ballistic trauma caused by military rifles: experimental study based on synthetic skull proxies. Forensic Science, Medicine, and Pathology, 2022, 18, 30-36.	0.6	2

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109	Full endoscopic anterior intrapelvic plate osteosynthesis: a cadaveric feasibility study. Archives of Orthopaedic and Trauma Surgery, 2023, 143, 365-371.	1.3	2
110	Sacroiliac Joint Ligaments and Sacroiliac Pain: A Case-Control Study on Micro- and Ultrastructural Findings on Morphologic Alterations. Pain Physician, 2019, 22, E615-E625.	0.3	2
111	Dismemberment and Body Encasement—Case Report and an Empiric Study. Biology, 2022, 11, 328.	1.3	2
112	Frequency of Injuries to Women after Sexual Offense – Relevance of a Gynecology Examination. Geburtshilfe Und Frauenheilkunde, 2022, 82, 420-426.	0.8	2
113	Density of TMEM119-positive microglial cells in postmortem cerebrospinal fluid as a surrogate marker for assessing complex neuropathological processes in the CNS. International Journal of Legal Medicine, 2022, 136, 1841-1850.	1.2	2
114	The importance of laboratory re-evaluation in cases of suspected child abuse – A case report. Legal Medicine, 2017, 28, 27-30.	0.6	1
115	On the usability of skull maceration in fatal head injuries caused by axes. Forensic Science, Medicine, and Pathology, 2019, 15, 678-679.	0.6	1
116	Exsanguination from iatrogenic puncture of arteriovenous fistula. Forensic Science, Medicine, and Pathology, 2020, 16, 379-380.	0.6	1
117	Morphometric and density comparisons of Bos taurus scapulae as a proxy to human frontal crania. Egyptian Journal of Forensic Sciences, 2020, 10, .	0.4	1
118	A comparison on the detection accuracy of ante mortem computed tomography vs. autopsy for the diagnosis of pelvic ring injury in legal medicine. Journal of Forensic Sciences, 2021, 66, 919-925.	0.9	1
119	Isolated Atrial Neutrophilic Myocarditis. American Journal of Forensic Medicine and Pathology, 2022, 43, 73-75.	0.4	1
120	Stellate ganglionitis in sudden cardiac death: A case report. Autonomic Neuroscience: Basic and Clinical, 2021, 234, 102837.	1.4	1
121	Überleben und neurologisches Outcome nach traumabedingter Reanimation. Intensiv- Und Notfallbehandlung, 2017, 42, 41-43.	0.0	1
122	Unexpected spotlight on two unusual substances. Rechtsmedizin, 0, , 1.	2.6	1
123	latrogenic Tracheal Rupture Related to Prehospital Emergency Intubation in Adults: A 15-Year Single Center Experience. Prehospital and Disaster Medicine, 2022, 37, 57-64.	0.7	1
124	Local microdamage accumulation and impaired osteocyte viability in human cortical bone is linked to type 1 diabetes mellitus. Bone Reports, 2022, 16, 101253.	0.2	1
125	Levels of haemolysis have no effect on femoral vein post-mortem tryptase levels. Medicine, Science and the Law, 2021, 61, 250-255.	0.6	0
126	On the handling of German citizens who died abroad. Rechtsmedizin, 2022, 32, 125-130.	2.6	0

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127	Use of vitreous humor electrolytes in estimating postmortem interval in infant population (<1 year). Australian Journal of Forensic Sciences, 0, , 1-10.	0.7	0
128	Quantifying the loss of pulmonary fluid from dissecting the lung at post-mortem. Australian Journal of Forensic Sciences, 2023, 55, 355-362.	0.7	0
129	Assessment of the heart displacement between prone and supine position on post mortem computed tomography (PMCT). Forensic Imaging, 2020, 21, 200370.	0.4	0
130	Stellate ganglionitis and sudden cardiac death. Pathology, 2022, 54, S68.	0.3	0