

Holger Muggenthaler

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

260
citations

1163117

8
h-index

996975

15
g-index

32
all docs

32
docs citations

32
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Database of post-mortem rectal cooling cases under strictly controlled conditions: a useful tool in death time estimation. <i>International Journal of Legal Medicine</i> , 2012, 126, 79-87.	2.2	39
2	Temperature based forensic death time estimation: The standard model in experimental test. <i>Legal Medicine</i> , 2015, 17, 381-387.	1.3	26
3	Influence of measurement errors on temperature-based death time determination. <i>International Journal of Legal Medicine</i> , 2011, 125, 503-517.	2.2	25
4	Body mass and corrective factor: impact on temperature-based death time estimation. <i>International Journal of Legal Medicine</i> , 2011, 125, 437-444.	2.2	22
5	Experimental tests for the validation of active numerical human models. <i>Forensic Science International</i> , 2008, 177, 184-191.	2.2	18
6	Automatic CT-based finite element model generation for temperature-based death time estimation: feasibility study and sensitivity analysis. <i>International Journal of Legal Medicine</i> , 2017, 131, 699-712.	2.2	16
7	Fall from a Balcony – Accidental or Homicidal? Reconstruction by Numerical Simulation. <i>Journal of Forensic Sciences</i> , 2013, 58, 1061-1064.	1.6	13
8	Influence of hypo- and hyperthermia on death time estimation – A simulation study. <i>Legal Medicine</i> , 2017, 28, 10-14.	1.3	12
9	Conditional probability distribution (CPD) method in temperature based death time estimation: Error propagation analysis. <i>Forensic Science International</i> , 2014, 238, 53-58.	2.2	8
10	Biomechanical assessment of the injury risk of stomping. <i>International Journal of Legal Medicine</i> , 2016, 130, 827-834.	2.2	8
11	Calibration and parameter variation using a finite element model for death time estimation: The influence of the substrate. <i>Legal Medicine</i> , 2017, 25, 23-28.	1.3	7
12	The Effects of Muscle Activity on Human Kinematics and Muscle Response Characteristics – Volunteer Tests for the Validation of Active Human Models. , 0, , .		5
13	Confidence intervals in temperature-based death time determination. <i>Legal Medicine</i> , 2015, 17, 48-51.	1.3	5
14	Fatal abdominal injuries in a bicycle-pedestrian collision – Reconstruction using multibody simulation. <i>Forensic Science, Medicine, and Pathology</i> , 2017, 13, 230-233.	1.4	5
15	Improving stomach content based death time determination by maximum probability estimation. <i>Forensic Science International</i> , 2018, 285, 135-146.	2.2	5
16	Fully automatic CT-histogram-based fat estimation in dead bodies. <i>International Journal of Legal Medicine</i> , 2018, 132, 563-577.	2.2	5
17	The forensic relevance of hypothermia in living persons – Literature and retrospective study. <i>Forensic Science International</i> , 2013, 231, 34-41.	2.2	4
18	Temperature based forensic death time estimation: The standard model in experimental test – (Legal Med) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 72 Td (http: 1.3 4	1.3	4

#	ARTICLE	IF	CITATIONS
19	Maximum striking velocities in strikes with steel rods – the influence of rod length, rod mass and volunteer parameters. <i>International Journal of Legal Medicine</i> , 2018, 132, 499-508.	2.2	4
20	Biomechanical approach for the assessment of contacts with deformable objects. <i>International Journal of Legal Medicine</i> , 2018, 132, 1367-1374.	2.2	4
21	Numerical human models for accident research and safety - potentials and limitations. <i>Studies in Health Technology and Informatics</i> , 2008, 133, 201-7.	0.3	4
22	Temperature-based death time estimation in near equilibrium: Asymptotic confidence interval estimation. <i>Forensic Science International</i> , 2018, 290, 189-195.	2.2	3
23	Injury pattern and the biomechanical assessment of skull fracture risk in blows with a rubber mallet. <i>Forensic Science International</i> , 2020, 312, 110303.	2.2	3
24	Fractures and skin lesions in pediatric abusive head trauma: a forensic multi-center study. <i>International Journal of Legal Medicine</i> , 2022, 136, 591-601.	2.2	3
25	Complete trunk severance of a motorcyclist by a traffic sign post at a comparably low collision speed. <i>Forensic Science International</i> , 2012, 223, e35-e37.	2.2	2
26	Do multiple temperature measurements improve temperature-based death time estimation? The information degradation inequality. <i>International Journal of Legal Medicine</i> , 2016, 130, 1243-1251.	2.2	2
27	Influence of striking technique on maximum striking velocities – experimental and statistical investigation. <i>International Journal of Legal Medicine</i> , 2018, 132, 1341-1347.	2.2	2
28	Slip and tilt: modeling falls over railings. <i>International Journal of Legal Medicine</i> , 2021, 135, 245-251.	2.2	2
29	Heat-Flow Finite-Element Models in Death Time Estimation. <i>Forensic Pathology Reviews</i> , 2011, , 259-275.	0.1	1
30	Pedestrian hit by a car impacted metal pole: reconstructing the head load. <i>International Journal of Legal Medicine</i> , 2020, 134, 1403-1408.	2.2	0