Juan Manuel Melchor

List of Publications by Year
in descending order

53 papers	2,719 citations	361045 20 h-index	233125 45 g-index
54 all docs	54 docs citations	54 times ranked	4559 citing authors

#	Article	IF	Citations
1	Rare cancers are not so rare: The rare cancer burden in Europe. European Journal of Cancer, 2011, 47, 2493-2511.	1.3	573
2	Descriptive epidemiology of sarcomas in Europe: Report from the RARECARE project. European Journal of Cancer, 2013, 49, 684-695.	1.3	519
3	Epidemiology of glial and non-glial brain tumours in Europe. European Journal of Cancer, 2012, 48, 1532-1542.	1.3	248
4	Descriptive epidemiology of Kaposi sarcoma in Europe. Report from the RARECARE project. Cancer Epidemiology, 2014, 38, 670-678.	0.8	174
5	Incidence, survival and prevalence of myeloid malignancies in Europe. European Journal of Cancer, 2012, 48, 3257-3266.	1.3	158
6	Incidence and survival of rare urogenital cancers in Europe. European Journal of Cancer, 2012, 48, 456-464.	1.3	132
7	Rare neuroendocrine tumours: Results of the surveillance of rare cancers in Europe project. European Journal of Cancer, 2013, 49, 2565-2578.	1.3	91
8	Descriptive epidemiology of malignant mucosal and uveal melanomas and adnexal skin carcinomas in Europe. European Journal of Cancer, 2012, 48, 1167-1175.	1.3	71
9	Invasive extramammary Paget's disease and the risk for secondary tumours in Europe. European Journal of Surgical Oncology, 2012, 38, 214-221.	0.5	63
10	Rare thoracic cancers, including peritoneum mesothelioma. European Journal of Cancer, 2012, 48, 949-960.	1.3	61
11	Rare cancers of the head and neck area in Europe. European Journal of Cancer, 2012, 48, 783-796.	1.3	55
12	The Burden of Rare Cancers in Europe. Advances in Experimental Medicine and Biology, 2010, 686, 285-303.	0.8	52
13	Why Are Viscosity and Nonlinearity Bound to Make an Impact in Clinical Elastographic Diagnosis?. Sensors, 2020, 20, 2379.	2.1	47
14	Carcinoma of endocrine organs: Results of the RARECARE project. European Journal of Cancer, 2012, 48, 1923-1931.	1.3	43
15	Incidence, prevalence and survival of patients with rare epithelial digestive cancers diagnosed in Europe in 1995–2002. European Journal of Cancer, 2012, 48, 1417-1424.	1.3	42
16	Transient Elastography to Assess the Cervical Ripening during Pregnancy: A Preliminary Study. Ultraschall in Der Medizin, 2017, 38, 395-402.	0.8	40
17	Embryonal cancers in Europe. European Journal of Cancer, 2012, 48, 1425-1433.	1.3	39
18	Burden of testicular, paratesticular and extragonadal germ cell tumours in Europe. European Journal of Cancer, 2012, 48, 159-169.	1.3	37

#	Article	IF	Citations
19	Torsional ultrasonic transducer computational design optimization. Ultrasonics, 2014, 54, 1950-1962.	2.1	29
20	Data Quality in Rare Cancers Registration: The Report of the RARECARE Data Quality Study. Tumori, 2017, 103, 22-32.	0.6	26
21	Performance Study of a Torsional Wave Sensor and Cervical Tissue Characterization. Sensors, 2017, 17, 2078.	2.1	22
22	Methodological aspects of estimating rare cancer prevalence in Europe: The experience of the RARECARE project. Cancer Epidemiology, 2013, 37, 850-856.	0.8	21
23	Poly(ethylmethacrylate-co-diethylaminoethyl acrylate) coating improves endothelial re-population, bio-mechanical and anti-thrombogenic properties of decellularized carotid arteries for blood vessel replacement. Scientific Reports, 2017, 7, 407.	1.6	16
24	Kelvin–Voigt Parameters Reconstruction of Cervical Tissue-Mimicking Phantoms Using Torsional Wave Elastography. Sensors, 2019, 19, 3281.	2.1	15
25	Characterization of non-linear mechanical behavior of the cornea. Scientific Reports, 2020, 10, 11549.	1.6	15
26	Torsional Ultrasound Sensor Optimization for Soft Tissue Characterization. Sensors, 2017, 17, 1402.	2.1	14
27	Preferences of Caregivers and Patients Regarding Opioid Analgesic Use in Terminal Care. Pain Medicine, 2014, 15, 577-587.	0.9	12
28	In Vivo Measurement of Cervical Elasticity on Pregnant Women by Torsional Wave Technique: A Preliminary Study. Sensors, 2019, 19, 3249.	2.1	12
29	Historical exposure to persistent organic pollutants and cardiovascular disease: A 15-year longitudinal analysis focused on pharmaceutical consumption in primary care. Environment International, 2021, 156, 106734.	4.8	12
30	Damage prediction via nonlinear ultrasound: A micro-mechanical approach. Ultrasonics, 2019, 93, 145-155.	2.1	11
31	Hyperelastic Ex Vivo Cervical Tissue Mechanical Characterization. Sensors, 2020, 20, 4362.	2.1	8
32	In-bioreactor ultrasonic monitoring of 3D culture human engineered cartilage. Sensors and Actuators B: Chemical, 2018, 266, 841-852.	4.0	7
33	Torsional wave elastography to assess the mechanical properties of the cornea. Scientific Reports, 2022, 12, 8354.	1.6	7
34	Viscoelastic Biomarkers of Ex Vivo Liver Samples via Torsional Wave Elastography. Diagnostics, 2020, 10, 111.	1.3	5
35	Viscoelastic model characterization of human cervical tissue by torsional waves. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104261.	1.5	5
36	Nonlinear torsional wave propagation in cylindrical coordinates to assess biomechanical parameters. Journal of Sound and Vibration, 2019, 445, 103-116.	2.1	4

#	Article	IF	Citations
37	Lung Ultrasound, Clinical and Analytic Scoring Systems as Prognostic Tools in SARS-CoV-2 Pneumonia: A Validating Cohort. Diagnostics, 2021, 11, 2211.	1.3	4
38	Biomechanical Finite Element Method Model of the Proximal Carpal Row and Experimental Validation. Frontiers in Physiology, 2021, 12, 749372.	1.3	4
39	Dispersive model selection and reconstruction for tissue culture ultrasonic monitoring. , 2012, , .		3
40	Model-based damage evaluation of layered CFRP structures. , 2015, , .		3
41	Logical Inference Framework for Experimental Design of Mechanical Characterization Procedures. Sensors, 2018, 18, 2984.	2.1	3
42	A Preliminary Study on the Safety of Elastography during Pregnancy: Hypoacusia, Anthropometry, and Apgar Score in Newborns. Diagnostics, 2020, 10, 967.	1.3	3
43	Braiding Thermoplastic and Glass Fibers in Composite Dental Post Improves Their Mechanical Compatibility, In Vitro Experiment. Materials, 2021, 14, 2294.	1.3	3
44	Torsion ultrasonic sensor for tissue mechanical characterization. , 2016, , .		2
45	Nonlinear Classical Elasticity Model for Materials with Fluid and Matrix Phases. Mathematical Problems in Engineering, 2018, 2018, 1-7.	0.6	2
46	Modeling Interactions among Migration, Growth and Pressure in Tumor Dynamics. Mathematics, 2021, 9, 1376.	1.1	2
47	Nonlinear Ultrasonics for Early Damage Detection. Advances in Civil and Industrial Engineering Book Series, 2015, , 171-206.	0.2	2
48	A Numerical Approach to the Magnetic Nanoparticle Hyperthermia. , 2021, , .		1
49	A MULTISCALE MECHANICAL MODEL FOR THE CERVICAL TISSUE. Journal of Biomechanics, 2012, 45, S475.	0.9	0
50	Single-transmitter setup on nonlinear mixing to measure acoustic nonlinearity of first order. , 2015, , .		0
51	Biomechanical Constitutive Model Identification. Mathematical Problems in Engineering, 2019, 2019, 1-2.	0.6	0
52	High-Resolution Strain Measurement for Biomechanical Parameters Assessment in Native and Decellularized Porcine Vessels. Mathematical Problems in Engineering, 2019, 2019, 1-14.	0.6	0
53	Nonlinear Ultrasonics for Early Damage Detection. , 2020, , 697-732.		0