

# Marija P Djuric

## List of Publications by Year in descending order

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92  
papers

1,925  
citations

257450

24  
h-index

289244

40  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decrease in the osteocyte lacunar density accompanied by hypermineralized lacunar occlusion reveals failure and delay of remodeling in aged human bone. <i>Aging Cell</i> , 2010, 9, 1065-1075.	6.7	241
2	Osteocytic Canalicular Networks: Morphological Implications for Altered Mechanosensitivity. <i>ACS Nano</i> , 2013, 7, 7542-7551.	14.6	134
3	Multi-level characterization of human femoral cortices and their underlying osteocyte network reveal trends in quality of young, aged, osteoporotic and antiresorptive-treated bone. <i>Biomaterials</i> , 2015, 45, 46-55.	11.4	93
4	Evaluation of the Suchey?Brooks Method for Aging Skeletons in the Balkans. <i>Journal of Forensic Sciences</i> , 2007, 52, 21-23.	1.6	64
5	Fractures in late medieval skeletal populations from Serbia. <i>American Journal of Physical Anthropology</i> , 2006, 130, 167-178.	2.1	62
6	Region-Specific Sex-Dependent Pattern of Age-Related Changes of Proximal Femoral Cancellous Bone and Its Implications on Differential Bone Fragility. <i>Calcified Tissue International</i> , 2010, 86, 192-201.	3.1	62
7	Nano-structural, compositional and micro-architectural signs of cortical bone fragility at the superolateral femoral neck in elderly hip fracture patients vs. healthy aged controls. <i>Experimental Gerontology</i> , 2014, 55, 19-28.	2.8	62
8	Micro-structural basis for particular vulnerability of the superolateral neck trabecular bone in the postmenopausal women with hip fractures. <i>Bone</i> , 2012, 50, 63-68.	2.9	58
9	Age- and Sex-Specific Bone Structure Patterns Portend Bone Fragility in Radii and Tibiae in Relation to Osteodensitometry: A High-Resolution Peripheral Quantitative Computed Tomography Study in 385 Individuals. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1269-1275.	3.6	50
10	Age-related deterioration in trabecular bone mechanical properties at material level: Nanoindentation study of the femoral neck in women by using AFM. <i>Experimental Gerontology</i> , 2012, 47, 154-159.	2.8	46
11	Accuracy of Cameriere's third molar maturity index in assessing legal adulthood on Serbian population. <i>Forensic Science International</i> , 2016, 259, 127-132.	2.2	46
12	Bone tissue aging affects mineralization of cement lines. <i>Bone</i> , 2018, 110, 187-193.	2.9	45
13	Representing children in excavated cemeteries: the intrinsic preservation factors. <i>Antiquity</i> , 2011, 85, 250-262.	1.0	44
14	Impact of the lower third molar presence and position on the fragility of mandibular angle and condyle: A Three-dimensional finite element study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 870-878.	1.7	42
15	Nanostructure and mineral composition of trabecular bone in the lateral femoral neck: Implications for bone fragility in elderly women. <i>Acta Biomaterialia</i> , 2011, 7, 3446-3451.	8.3	40
16	Dental age assessment validity of radiographic methods on Serbian children population. <i>Forensic Science International</i> , 2013, 231, 398.e1-398.e5.	2.2	40
17	Identification of victims from two mass-graves in Serbia: A critical evaluation of classical markers of identity. <i>Forensic Science International</i> , 2007, 172, 125-129.	2.2	36
18	Immediate and Long-Term Porosity of Calcium Silicate-Based Sealers. <i>Journal of Endodontics</i> , 2020, 46, 515-523.	3.1	31

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19	Inter-sex differences in structural properties of aging femora: implications on differential bone fragility: a cadaver study. <i>Journal of Bone and Mineral Metabolism</i> , 2011, 29, 449-457.	2.7	30
20	The third molars for indicating legal adult age in Montenegro. <i>Legal Medicine</i> , 2018, 33, 55-61.	1.3	30
21	The role of CT analyses of the sternal end of the clavicle and the first costal cartilage in age estimation. <i>International Journal of Legal Medicine</i> , 2014, 128, 825-839.	2.2	29
22	Influence of dental restorations and mastication loadings on dentine fatigue behaviour: Image-based modelling approach. <i>Journal of Dentistry</i> , 2015, 43, 556-567.	4.1	29
23	Enhanced trabecular micro-architecture of the femoral neck in hip osteoarthritis vs. healthy controls: a micro-computer tomography study in postmenopausal women. <i>International Orthopaedics</i> , 2013, 37, 21-26.	1.9	28
24	Occlusal load distribution through the cortical and trabecular bone of the human mid-facial skeleton in natural dentition: A three-dimensional finite element study. <i>Annals of Anatomy</i> , 2015, 197, 16-23.	1.9	28
25	Bone microarchitecture at muscle attachment sites: The relationship between macroscopic scores of entheses and their cortical and trabecular microstructural design. <i>American Journal of Physical Anthropology</i> , 2015, 157, 81-93.	2.1	25
26	Skeletal age estimation based on medial clavicle—a test of the method reliability. <i>International Journal of Legal Medicine</i> , 2013, 127, 667-676.	2.2	24
27	Region-dependent patterns of trabecular bone growth in the human proximal femur: A study of 3D bone microarchitecture from early postnatal to late childhood period. <i>American Journal of Physical Anthropology</i> , 2017, 164, 281-291.	2.1	24
28	Rate of Occurrence, Gross Appearance, and Age Relation of Hyperostosis Frontalis Interna in Females. <i>American Journal of Forensic Medicine and Pathology</i> , 2010, 31, 205-207.	0.8	21
29	Nano-structural and compositional basis of devitalized tooth fragility. <i>Dental Materials</i> , 2014, 30, 476-486.	3.5	21
30	Anthropological Data in Individualization of Skeletal Remains from a Forensic Context in Kosovo—A Case History. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-5.	1.6	21
31	Age-dependence of power spectral density and fractal dimension of bone mineralized matrix in atomic force microscope topography images: potential correlates of bone tissue age and bone fragility in female femoral neck trabeculae. <i>Journal of Anatomy</i> , 2012, 221, 427-433.	1.5	19
32	Addition of a Fluoride-containing Radiopacifier Improves Micromechanical and Biological Characteristics of Modified Calcium Silicate Cements. <i>Journal of Endodontics</i> , 2015, 41, 2050-2057.	3.1	19
33	Inter-site variability of the osteocyte lacunar network in the cortical bone underpins fracture susceptibility of the superolateral femoral neck. <i>Bone</i> , 2018, 112, 187-193.	2.9	15
34	Morphological appearance of muscle attachment sites on lower limbs: Horse riders versus agricultural population. <i>International Journal of Osteoarchaeology</i> , 2018, 28, 656-668.	1.2	14
35	Surface characterization of the cement for retention of implant supported dental prostheses: In vitro evaluation of cement roughness and surface free energy. <i>Applied Surface Science</i> , 2014, 311, 131-138.	6.1	13
36	Porotic paradox: distribution of cortical bone pore sizes at nano- and micro-levels in healthy vs. fragile human bone. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 71.	3.6	13

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37	Trauma of the Frontal Region Is Influenced by the Volume of Frontal Sinuses. A Finite Element Study. <i>Frontiers in Physiology</i> , 2017, 8, 493.	2.8	13
38	Extracting Cross-Sectional Clinical Images Based on Their Principal Axes of Inertia. <i>Scanning</i> , 2017, 2017, 1-8.	1.5	13
39	Dental maturity assessment in Serbian population: A comparison of Cameriere's European formula and Willems' method. <i>Forensic Science International</i> , 2018, 288, 331.e1-331.e5.	2.2	13
40	The Role of Footwear in the Pathogenesis of Hallux Valgus: A Proof-of-Concept Finite Element Analysis in Recent Humans and Homo naledi. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 648.	4.1	13
41	Is Computed Tomography Imaging of Deviated Nasal Septum Justified for Obstruction Confirmation?. <i>Ear, Nose and Throat Journal</i> , 2021, 100, NP131-NP136.	0.8	13
42	Impact of the lower third molar and injury mechanism on the risk of mandibular angle and condylar fractures. <i>Dental Traumatology</i> , 2016, 32, 286-295.	2.0	12
43	Bone quality analysis of jaw bones in individuals with type 2 diabetes mellitus' post mortem anatomical and microstructural evaluation. <i>Clinical Oral Investigations</i> , 2021, 25, 4377-4400.	3.0	11
44	Morphological characteristics of the developing proximal femur: A biomechanical perspective. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2012, 140, 738-745.	0.2	11
45	Developing a novel resorptive hydroxyapatite-based bone substitute for over-critical size defect reconstruction: physicochemical and biological characterization and proof of concept in segmental rabbit's ulna reconstruction. <i>Biomedizinische Technik</i> , 2020, 65, 491-505.	0.8	11
46	Atomic Force Microscopy Characterization of the External Cortical Bone Surface in Young and Elderly Women: Potential Nanostructural Traces of Periosteal Bone Apposition During Aging. <i>Microscopy and Microanalysis</i> , 2013, 19, 1341-1349.	0.4	10
47	Moderate hyperhomocysteinemia induced by short-term dietary methionine overload alters bone microarchitecture and collagen features during growth. <i>Life Sciences</i> , 2017, 191, 9-16.	4.3	10
48	Applicability of pulp/tooth ratio method for age estimation. <i>Forensic Science, Medicine, and Pathology</i> , 2020, 16, 43-48.	1.4	10
49	Mechano-structural alteration in proximal femora of individuals with alcoholic liver disease: Implications for increased bone fragility. <i>Bone</i> , 2021, 150, 116020.	2.9	10
50	Microstructural properties of the mid-facial bones in relation to the distribution of occlusal loading. <i>Bone</i> , 2014, 68, 108-114.	2.9	9
51	Modeling of liver metastatic disease with applied drug therapy. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 115, 162-170.	4.7	9
52	3D Microarchitectural patterns of Hyperostosis frontalis interna: a micro-computed tomography study in aged women. <i>Journal of Anatomy</i> , 2016, 229, 673-680.	1.5	8
53	Relationship between nasal septum morphology and nasal obstruction symptom severity: computed tomography study. <i>Brazilian Journal of Otorhinolaryngology</i> , 2022, 88, 663-668.	1.0	8
54	The severity of hepatic disorder is related to vertebral microstructure deterioration in cadaveric donors with liver cirrhosis. <i>Microscopy Research and Technique</i> , 2021, 84, 840-849.	2.2	8

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55	Pathology of the mandibles and maxillae from archaeological context: discrepancy between diagnoses obtained by external inspection and radiological analysis. <i>Collegium Antropologicum</i> , 2007, 31, 379-85.	0.2	8
56	Microstructure and wettability of root canal dentine and root canal filling materials after different chemical irrigation. <i>Applied Surface Science</i> , 2015, 355, 369-378.	6.1	7
57	Hyperostosis frontalis interna in postmenopausal women—Possible relation to osteoporosis. <i>Women and Health</i> , 2016, 56, 994-1007.	1.0	7
58	OpenMandible: An open-source framework for highly realistic numerical modelling of lower mandible physiology. <i>Dental Materials</i> , 2021, 37, 612-624.	3.5	7
59	Vascular Complications in Individuals with Type 2 Diabetes Mellitus Additionally Increase the Risk of Femoral Neck Fractures Due to Deteriorated Trabecular Microarchitecture. <i>Calcified Tissue International</i> , 2022, 110, 65-73.	3.1	7
60	Application of reference point indentation for micro-mechanical surface characterization of calcium silicate based dental materials. <i>Biomedical Microdevices</i> , 2016, 18, 25.	2.8	6
61	The influence of anisotropic voxel caused by field of view setting on the accuracy of three-dimensional reconstruction of bone geometric models. <i>AIP Advances</i> , 2018, 8, .	1.3	6
62	The comparison of age- and sex-specific alteration in pubic bone microstructure: A cross-sectional cadaveric study. <i>Experimental Gerontology</i> , 2021, 150, 111375.	2.8	6
63	Basis of bone strength vs. bone fragility: A review of determinants of age-related hip fracture risk. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2013, 141, 548-552.	0.2	6
64	“Dangerous duo”: Chronic nicotine exposure intensifies diabetes mellitus-related deterioration in bone microstructure - An experimental study in rats. <i>Life Sciences</i> , 2018, 212, 102-108.	4.3	5
65	Could a “body fragmentation index” be useful in reconstructing events prior to burial: Case studies of selected primary and secondary mass graves from eastern Bosnia. <i>Legal Medicine</i> , 2020, 47, 101766.	1.3	5
66	Age estimation in children based on open apices measurement in the Serbian population: Belgrade Age Formula (BAF). <i>Annals of Human Biology</i> , 2020, 47, 229-236.	1.0	5
67	Three-Dimensional Microstructural Basis for Differential Occurrence of Subcapital versus Basicervical Hip Fractures in Men. <i>Calcified Tissue International</i> , 2020, 107, 240-248.	3.1	5
68	The altered osteocytic expression of connexin 43 and sclerostin in human cadaveric donors with alcoholic liver cirrhosis: Potential treatment targets. <i>Journal of Anatomy</i> , 2022, 240, 1162-1173.	1.5	5
69	A microarchitectural assessment of the gluteal tuberosity suggests two possible patterns in enthesal changes. <i>American Journal of Physical Anthropology</i> , 2020, 172, 291-299.	2.1	4
70	Radiological evaluation of Hyperostosis frontalis interna: is it of clinical importance?. <i>HOMO-Journal of Comparative Human Biology</i> , 2020, 71, 155-160.	0.7	4
71	Introducing Nasal Obstruction Symptom Evaluation (NOSE) scale in clinical practice in Serbia: Validation and cross-cultural adaptation. <i>Vojnosanitetski Pregled</i> , 2020, 77, 704-709.	0.2	4
72	Forensic or Archaeological Issue: Is Chemical Analysis of Dental Restorations Helpful in Assessing Time Since Death and Identification of Skeletonized Human Remains?. <i>Journal of Forensic Sciences</i> , 2013, 58, 1284-1288.	1.6	3

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73	Reconstructing the First Metatarsophalangeal Joint of Homo naledi. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 167.	4.1	3
74	Side asymmetry in nasal resistance correlate with nasal obstruction severity in patients with septal deformities: Computational fluid dynamics study. <i>Clinical Otolaryngology</i> , 2020, 45, 718-724.	1.2	3
75	Homo naledi did not have flat foot. <i>HOMO- Journal of Comparative Human Biology</i> , 2019, 70, 139-146.	0.7	3
76	Dental status of victims from Batajnica's mass graves. <i>Collegium Antropologicum</i> , 2009, 33, 1387-95.	0.2	3
77	Issues in interstudy comparisons of bone microarchitecture. <i>International Orthopaedics</i> , 2013, 37, 2091-2092.	1.9	2
78	Association between regional heterogeneity in the midfacial bone microarchitecture and increased fragility along Le Fort lines. <i>Dental Traumatology</i> , 2017, 33, 300-306.	2.0	2
79	Comparative Analysis of Femoral Macro- and Micromorphology in Males and Females With and Without Hyperostosis Frontalis Interna: A Cross-Sectional Cadaveric Study. <i>Calcified Tissue International</i> , 2020, 107, 464-473.	3.1	2
80	Micro-computed Tomography Study of Frontal Bones in Males and Females with Hyperostosis Frontalis Interna. <i>Calcified Tissue International</i> , 2020, 107, 345-352.	3.1	2
81	Excavation of mass graves with Serbian context: Complexity of the political milieu. <i>Forensic Science International</i> , 2021, 319, 110657.	2.2	2
82	Anthropological data in individualization of skeletal remains from a forensic context in Kosovo—a case history. <i>Journal of Forensic Sciences</i> , 2004, 49, 464-8.	1.6	2
83	Morphological characteristics of the developing proximal femur: a biomechanical perspective. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2012, 140, 738-45.	0.2	2
84	Micro-scale assessment of bone quality changes in adult cadaveric men with congestive hepatopathy. <i>Histochemistry and Cell Biology</i> , 2022, 158, 583-593.	1.7	2
85	Novel calcium silicate based dental material with the addition of biologically active soy compound. , 2015, , .		1
86	Mass grave complexity effects on the minimum number of individuals estimation. <i>Forensic Science, Medicine, and Pathology</i> , 2020, 16, 57-64.	1.4	1
87	Dental Age Estimation According to European Formula and Willems Method: Comparison Between Children With and Without Cleft Lip and Palate. <i>Cleft Palate-Craniofacial Journal</i> , 2021, 58, 612-618.	0.9	1
88	Dental age and skeletal maturity assessment in patients with cerebral palsy. <i>European Journal of Oral Sciences</i> , 2021, 129, e12780.	1.5	1
89	Study of Sexual Dimorphism in Metatarsal Bones: Geometric and Inertial Analysis of the Three-Dimensional Reconstructed Models. <i>Frontiers in Endocrinology</i> , 2021, 12, 734362.	3.5	1
90	Behavioral response of people in Belgrade to the bombing campaign during 1999. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2013, 141, 198-202.	0.2	0

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91	Taking from the dead: Grave disturbance of Sarmatian cemeteries in the Banat region. International Journal of Osteoarchaeology, 2022, 32, 630-644.	1.2	0
92	Corrigendum to: Developing a novel resorptive hydroxyapatite-based bone substitute for over-critical size defect reconstruction: physicochemical and biological characterization and proof of concept in segmental rabbit's ulna reconstruction. Biomedizinische Technik, 2022, .	0.8	0