

Stjepan Spalj

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

1,306
citations

430874

18
h-index

454955

30
g-index

98
all docs

98
docs citations

98
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum voluntary molar bite force in subjects with normal occlusion. <i>European Journal of Orthodontics</i> , 2011, 33, 427-433.	2.4	198
2	Craniodentofacial characteristics, dental esthetics-related quality of life, and self-esteem. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015, 147, 711-718.	1.7	46
3	Attitudes towards e-learning amongst dental students at the universities in Croatia. <i>European Journal of Dental Education</i> , 2014, 18, 15-23.	2.0	44
4	The psychosocial impact of dental aesthetics questionnaire translation and cross-cultural validation in Croatia. <i>Quality of Life Research</i> , 2014, 23, 1267-1271.	3.1	44
5	Perception of orthodontic treatment need in children and adolescents. <i>European Journal of Orthodontics</i> , 2010, 32, 387-394.	2.4	41
6	Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. <i>Angle Orthodontist</i> , 2014, 84, 1041-1048.	2.4	40
7	The unique contribution of elements of smile aesthetics to psychosocial well-being. <i>Journal of Oral Rehabilitation</i> , 2015, 42, 275-281.	3.0	37
8	Dental archforms in dentoalveolar Class I, II and III. <i>Angle Orthodontist</i> , 2010, 80, 919-924.	2.4	32
9	In-vitro assessment of oxidative stress generated by orthodontic archwires. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2012, 141, 583-589.	1.7	32
10	Cytotoxicity and oxidative stress induced by nickel and titanium ions from dental alloys on cells of gastrointestinal tract. <i>Toxicology and Applied Pharmacology</i> , 2019, 383, 114784.	2.8	28
11	Factors influencing intensive care nurses' knowledge and attitudes regarding ventilator-associated pneumonia and oral care practice in intubated patients in Croatia. <i>American Journal of Infection Control</i> , 2014, 42, 1115-1117.	2.3	27
12	Influence of tobacco smoking on dental periapical condition in a sample of Croatian adults. <i>Wiener Klinische Wochenschrift</i> , 2016, 128, 260-265.	1.9	27
13	Gender, Age, and Psychosocial Context of the Perception of Facial Esthetics. <i>Journal of Esthetic and Restorative Dentistry</i> , 2014, 26, 119-130.	3.8	25
14	Changes of bite force and occlusal contacts in the retention phase of orthodontic treatment: A controlled clinical trial. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2017, 152, 767-777.	1.7	22
15	Symptoms of titanium and nickel allergic sensitization in orthodontic treatment. <i>Progress in Orthodontics</i> , 2020, 21, 17.	3.5	21
16	Factors influencing a patient's decision to choose the type of treatment to improve dental esthetics. <i>Vojnosanitetski Pregled</i> , 2012, 69, 978-985.	0.2	19
17	Comparison of Shear Bond Strength of Orthodontic Brackets Using Direct and Indirect Bonding Methods in Vitro and in Vivo. <i>Acta Informatica Medica</i> , 2018, 26, 125.	1.1	19
18	Skeletal components of class III malocclusions and compensation mechanisms. <i>Journal of Oral Rehabilitation</i> , 2008, 35, 629-637.	3.0	18

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19	The influence of war on the oral health of professional soldiers. <i>International Dental Journal</i> , 2008, 58, 71-74.	2.6	18
20	In vitro oxidative stress induced by conventional and self-ligating brackets. <i>Angle Orthodontist</i> , 2012, 82, 340-345.	2.4	18
21	Effect of pH, fluoride and hydrofluoric acid concentration on ion release from NiTi wires with various coatings. <i>Dental Materials Journal</i> , 2017, 36, 149-156.	1.8	18
22	Periodontal disease increases risk for chronic obstructive pulmonary disease. <i>Collegium Antropologicum</i> , 2013, 37, 937-42.	0.2	18
23	Secular Trend in the Development of Permanent Teeth in a Population of Istria and the Littoral Region of Croatia. <i>Journal of Forensic Sciences</i> , 2013, 58, 673-677.	1.6	17
24	Geometrical design characteristics of orthodontic mini-implants predicting maximum insertion torque. <i>Korean Journal of Orthodontics</i> , 2014, 44, 177.	2.3	16
25	Mediation and moderation effect of the big five personality traits on the relationship between self-perceived malocclusion and psychosocial impact of dental esthetics. <i>Angle Orthodontist</i> , 2016, 86, 413-420.	2.4	16
26	Smile Aesthetics Satisfaction Scale: development and validation of a new brief five-item measure of satisfaction with smile aesthetics in adults and the elderly. <i>International Dental Journal</i> , 2018, 68, 162-170.	2.6	16
27	Changes in Quality of Life Induced by Tooth Whitening are Moderated by Perfectionism: A Randomized, Double-Blind, Placebo-Controlled Trial. <i>International Journal of Prosthodontics</i> , 2018, 31, 394-396.	1.7	16
28	Corrosion of orthodontic archwires in artificial saliva in the presence of <i>Lactobacillus reuteri</i> . <i>Surface and Coatings Technology</i> , 2019, 370, 44-52.	4.8	16
29	Dentofacial deformity and orthognatic surgery: Influence on self-esteem and aspects of quality of life. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021, 49, 277-281.	1.7	16
30	Comparison of Activator-Headgear and Twin Block Treatment Approaches in Class II Division 1 Malocclusion. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	15
31	Oral antiseptics and nickel-titanium alloys: mechanical and chemical effects of interaction. <i>Odontology / the Society of the Nippon Dental University</i> , 2019, 107, 150-157.	1.9	15
32	Corrosion Behavior of Coated and Uncoated Nickel-Titanium Orthodontic Wires in Artificial Saliva with Short-term Prophylactic Fluoride Treatment. <i>International Journal of Electrochemical Science</i> , 2018, 13, 4160-4170.	1.3	14
33	Temporomandibular disorders and orthodontic treatment need in orthodontically untreated children and adolescents. <i>Collegium Antropologicum</i> , 2015, 39, 151-8.	0.2	14
34	Neoclassical canons of facial beauty: Do we see the deviations?. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 741-747.	1.7	13
35	Socioeconomic and health status as a predictor of apical periodontitis in adult patients in Croatia. <i>Oral Diseases</i> , 2019, 25, 300-308.	3.0	13
36	Facial profile preferences: Differences in the perception of children with and without orthodontic history. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 138, 442-450.	1.7	12

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37	Determination of corrosion rate of orthodontic wires based on nickel-titanium alloy in artificial saliva. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2014, 45, 99-105.	0.9	12
38	Corrosion of Nickel-Titanium Orthodontic Archwires in Saliva and Oral Probiotic Supplements. <i>Acta Stomatologica Croatica</i> , 2017, 51, 316-325.	1.0	11
39	Secular trend of earlier onset and decelerated development of third molars: Evidence from Croatia. <i>Forensic Science International</i> , 2015, 249, 202-206.	2.2	10
40	Predictors of patient compliance during Class II division 1 malocclusion functional orthodontic treatment. <i>Angle Orthodontist</i> , 2021, 91, 502-508.	2.4	10
41	Risk Assessment of Oxidative Stress Induced by Metal Ions Released from Fixed Orthodontic Appliances during Treatment and Indications for Supportive Antioxidant Therapy: A Narrative Review. <i>Antioxidants</i> , 2021, 10, 1359.	5.1	10
42	Translation and validation of the Croatian version of the Oral Impacts on Daily Performances (OIDP) scale. <i>Vojnosanitetski Pregled</i> , 2016, 73, 811-816.	0.2	10
43	Reasons for extraction of permanent teeth in urban and rural populations of Croatia. <i>Collegium Antropologicum</i> , 2004, 28, 833-9.	0.2	10
44	Discriminant factor analysis of dental arch dimensions with 3-dimensional virtual models. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 140, 680-687.	1.7	9
45	Influence of various fluoride agents on working properties and surface characteristics of uncoated, rhodium coated and nitrified nickel-titanium orthodontic wires. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 241-249.	1.6	9
46	Effect of oral antiseptics on the corrosion stability of nickel-titanium orthodontic alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 510-518.	1.5	9
47	Satisfaction with facial profile aesthetics: are norms overrated?. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018, 47, 72-78.	1.5	9
48	Correlation between the DAI and ICON indices used for assessment of orthodontic treatment need in Croatian schoolchildren. <i>Zdravstveno Varstvo</i> , 2018, 57, 218-226.	0.9	9
49	Forces that fracture teeth during extraction with mandibular premolar and maxillary incisor forceps. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 982-987.	0.8	8
50	Tooth Color as a Predictor of Oral Health-Related Quality of Life in Young Adults. <i>Journal of Prosthodontics</i> , 2019, 28, e886-e892.	3.7	8
51	Parental influence is the most important predictor of child's orthodontic treatment demand in a preadolescent age. <i>Odontology / the Society of the Nippon Dental University</i> , 2020, 108, 109-116.	1.9	8
52	To what extent are the characteristics of painful temporomandibular disorders predictors of self-reported limitations in jaw function?. <i>Cranio - Journal of Craniomandibular Practice</i> , 2023, 41, 290-297.	1.4	8
53	Effects of Visual Stimuli from Media on the Perception of Dentofacial Esthetics. <i>Acta Stomatologica Croatica</i> , 2020, 54, 283-293.	1.0	8
54	Factors influencing a patient's decision to choose the type of treatment to improve dental esthetics. <i>Vojnosanitetski Pregled</i> , 2012, 69, 978-85.	0.2	8

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55	Machine-Driven Versus Manual Insertion Mode. <i>Implant Dentistry</i> , 2014, Publish Ahead of Print, 31-6.	1.3	7
56	Analysis of Translucency Parameter of Glass-Ceramics Fabricated by Different Techniques. <i>Acta Stomatologica Croatica</i> , 2015, 49, 27-35.	1.0	7
57	A Cross-Sectional Study of the Influence of Tooth Color Elements on Satisfaction with Smile Esthetics. <i>International Journal of Prosthodontics</i> , 2017, 30, 156-159.	1.7	7
58	Effects of the presence of probiotic bacteria in the aging medium on the surface roughness and chemical composition of two dental alloys. <i>Microscopy Research and Technique</i> , 2019, 82, 1384-1391.	2.2	7
59	Degree of correlation between two periodontal indices in a rural Croatian population. <i>International Dental Journal</i> , 2004, 54, 261-268.	2.6	6
60	Effect of L-arginine dietary supplementation on salivary urea concentration and pH in physically active individuals. <i>Australian Dental Journal</i> , 2013, 58, 491-497.	1.5	5
61	Biological predictors of mandibular asymmetries in children with mixed dentition. <i>Cranio - Journal of Craniomandibular Practice</i> , 2016, 34, 303-308.	1.4	5
62	Frequency, Context and Characteristics of Smile Used in Advertising. <i>Acta Stomatologica Croatica</i> , 2017, 51, 41-47.	1.0	5
63	Development and validation of a new condition-specific instrument for evaluation of smile esthetics-related quality of life. <i>Journal of Esthetic and Restorative Dentistry</i> , 2018, 30, 160-167.	3.8	5
64	Smell and taste in titanium and nickel allergic sensitization in orthodontic patients. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 517-522.	2.8	5
65	Influence of intraoral application of antiseptics and fluorides during orthodontic treatment on corrosion and mechanical characteristics of nickel-titanium alloy in orthodontic appliances. <i>Angle Orthodontist</i> , 2021, 91, 528-537.	2.4	5
66	Presence and Maturation Dynamics of Mandibular Third Molars and Their Influence on Late Mandibular Incisor Crowding: A Longitudinal Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10070.	2.6	5
67	History of Orthodontic Treatment, Treatment Needs and Influencing Factors in Adolescents in Croatia. <i>Central European Journal of Public Health</i> , 2016, 24, 123-127.	1.1	5
68	Oral health-related risk behaviours and attitudes among Croatian adolescents—multiple logistic regression analysis. <i>Collegium Antropologicum</i> , 2014, 38, 261-7.	0.2	5
69	Predictive value of dental readiness and psychological dimensions for oral health-related quality of life in Croatian soldiers: a cross-sectional study. <i>Croatian Medical Journal</i> , 2012, 53, 461-469.	0.7	4
70	The rise in glucose concentration in saliva samples mixed with test foods monitored using a glucometer: An observational pilot study. <i>Journal of Oral Biosciences</i> , 2019, 61, 201-206.	2.2	4
71	Bacterial Exposure to Nickel: Influence on Adhesion and Biofilm Formation on Orthodontic Archwires and Sensitivity to Antimicrobial Agents. <i>Materials</i> , 2021, 14, 4603.	2.9	4
72	Changes of mandibular dental arch shape during adolescence and its influence on late mandibular incisor crowding. <i>HOMO- Journal of Comparative Human Biology</i> , 2019, 70, 185-192.	0.7	4

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73	Caries Experience in Patients Referred for an Orthodontic Consultation. <i>Acta Stomatologica Croatica</i> , 2018, 52, 123-131.	1.0	4
74	Periodontal conditions and oral hygiene in rural population of post-war Vukovar region, Croatia in correlation to stress. <i>European Journal of Medical Research</i> , 2008, 13, 100-6.	2.2	4
75	Linear Predictors of Facial Rotation Pattern in Croatian Subjects with Skeletal Class III Malocclusion. <i>Acta Stomatologica Croatica</i> , 2018, 52, 227-237.	1.0	3
76	Child Perceptions Questionnaire in Croatia: Two Domains for Measuring Oral Health. <i>Acta Stomatologica Croatica</i> , 2019, 53, 47-54.	1.0	3
77	Craniofacial Growth in Adolescence and its Influence on the Mandibular Incisor Crowding. <i>Acta Stomatologica Croatica</i> , 2021, 55, 37-44.	1.0	3
78	Orthognathic Quality of Life: What Are We Measuring?. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 173-178.	0.7	3
79	The coating of a NiTi alloy has a greater impact on the mechanical properties than the acidity of saliva. <i>Materiali in Tehnologije</i> , 2018, 52, 469-473.	0.5	3
80	Time-related Changes in pH, Buffering Capacity and Phosphate and Urea Concentration of Stimulated Saliva. <i>Oral Health & Preventive Dentistry</i> , 2014, 12, 45-53.	0.5	3
81	The unmet orthodontic treatment need of adolescents and influencing factors for not seeking orthodontic therapy. <i>Collegium Antropologicum</i> , 2014, 38 Suppl 2, 173-80.	0.2	3
82	Perception of facial profiles: influence of female sex hormones and personality traits. <i>Orthodontics and Craniofacial Research</i> , 2016, 19, 209-215.	2.8	2
83	Changes in quality of life induced by tooth whitening are not influenced by global self-esteem: a randomized double-blind placebo-controlled trial. <i>Odontology / the Society of the Nippon Dental University</i> , 2020, 108, 143-151.	1.9	2
84	Influence of saliva on the results of global laboratory coagulation tests. <i>Australian Dental Journal</i> , 2020, 65, 205-209.	1.5	2
85	Orthodontic treatment demand in young adolescents – are parents familiar with their children's desires and reasons?. <i>International Journal of Paediatric Dentistry</i> , 2021, , .	1.8	2
86	Health-related Quality of Life in Soldiers in Croatia: Relationship with Combat Readiness and Psychological Dimensions. <i>Central European Journal of Public Health</i> , 2013, 21, 207-212.	1.1	2
87	Visual presentation of a medical physiology seminar modifies dental students' perception of its clinical significance. <i>European Journal of Dental Education</i> , 2016, 20, 14-19.	2.0	1
88	Assessing the influence of the English language on the professional vocabulary of Croatian dental students by analysing their word choice for the translation of medical/dental terms. <i>Terminology</i> , 2017, 23, 181-206.	0.3	1
89	Changes in mechanical properties of dental alloys induced by saliva and oral probiotic supplements. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 28-37.	0.9	1
90	Influence of personality traits on a patient's decision to accept orthognathic surgery for correction of dentofacial deformity. <i>Angle Orthodontist</i> , 2022, , .	2.4	1

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91	The effect of nickel ions on the susceptibility of bacteria to ciprofloxacin and ampicillin. <i>Folia Microbiologica</i> , 2022, 67, 649-657.	2.3	1
92	Influence of Manual Screwdriver Design in Combination With and Without Predrilling on Insertion Torque of Orthodontic Mini-Implants. <i>Implant Dentistry</i> , 2017, 26, 95-100.	1.3	0
93	Facial aesthetic concern is a powerful predictor of patients' decision to accept orthognathic surgery. <i>Orthodontics and Craniofacial Research</i> , 2022, 25, 112-118.	2.8	0
94	The Effect of Chewing a Sugar-Free Gum After Oatmeal on the Postprandial Glycaemia – A Cross-Over Study. <i>Romanian Journal of Diabetes Nutrition and Metabolic Diseases</i> , 2017, 24, 127-135.	0.3	0
95	Effects of Visual Stimuli from Media on the Perception of Dentofacial Esthetics. <i>Acta Stomatologica Croatica</i> , 2020, 54, 283-293.	1.0	0
96	The distribution of periodontal disease and loss of attachment in jaw sextants in different age groups--cross-sectional study. <i>Collegium Antropologicum</i> , 2003, 27 Suppl 1, 183-90.	0.2	0