

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Predictors of patient compliance during Class II division 1 malocclusion functional orthodontic treatment. <i>Angle Orthodontist</i> , 2021, 91, 502-508. | 2.4 | 10 |
| 6 | 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 |
| 7 | Craniofacial Growth in Adolescence and its Influence on the Mandibular Incisor Crowding. <i>Acta Stomatologica Croatica</i> , 2021, 55, 37-44. | 1.0 | 3 |
| 8 | Dentofacial deformity and orthognathic 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 |
| 9 | Orthodontic treatment demand in young adolescents â€œ are parents familiar with their children's desires and reasons?. <i>International Journal of Paediatric Dentistry</i> , 2021, , . | 1.8 | 2 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Orthognathic Quality of Life: What Are We Measuring?. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 173-178. | 0.7 | 3 |
| 14 | 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 |
| 15 | Parental influence is the most important predictor of childâ€™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 |
| 16 | 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 |
| 17 | Influence of saliva on the results of global laboratory coagulation tests. <i>Australian Dental Journal</i> , 2020, 65, 205-209. | 1.5 | 2 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | Symptoms of titanium and nickel allergic sensitization in orthodontic treatment. Progress in Orthodontics, 2020, 21, 17. | 3.5 | 21 |
| 20 | Effects of Visual Stimuli from Media on the Perception of Dentofacial Esthetics. Acta Stomatologica Croatica, 2020, 54, 283-293. | 1.0 | 0 |
| 21 | Effects of Visual Stimuli from Media on the Perception of Dentofacial Esthetics. Acta Stomatologica Croatica, 2020, 54, 283-293. | 1.0 | 8 |
| 22 | Child Perceptions Questionnaire in Croatia: Two Domains for Measuring Oral Health. Acta Stomatologica Croatica, 2019, 53, 47-54. | 1.0 | 3 |
| 23 | Cytotoxicity and oxidative stress induced by nickel and titanium ions from dental alloys on cells of gastrointestinal tract. Toxicology and Applied Pharmacology, 2019, 383, 114784. | 2.8 | 28 |
| 24 | The rise in glucose concentration in saliva samples mixed with test foods monitored using a glucometer: An observational pilot study. Journal of Oral Biosciences, 2019, 61, 201-206. | 2.2 | 4 |
| 25 | Effects of the presence of probiotic bacteria in the aging medium on the surface roughness and chemical composition of two dental alloys. Microscopy Research and Technique, 2019, 82, 1384-1391. | 2.2 | 7 |
| 26 | Corrosion of orthodontic archwires in artificial saliva in the presence of Lactobacillus reuteri. Surface and Coatings Technology, 2019, 370, 44-52. | 4.8 | 16 |
| 27 | Oral antiseptics and nickel–titanium alloys: mechanical and chemical effects of interaction. Odontology / the Society of the Nippon Dental University, 2019, 107, 150-157. | 1.9 | 15 |
| 28 | Socioeconomic and health status as a predictor of apical periodontitis in adult patients in Croatia. Oral Diseases, 2019, 25, 300-308. | 3.0 | 13 |
| 29 | Tooth Color as a Predictor of Oral Health-Related Quality of Life in Young Adults. Journal of Prosthodontics, 2019, 28, e886-e892. | 3.7 | 8 |
| 30 | Changes of mandibular dental arch shape during adolescence and its influence on late mandibular incisor crowding. HOMO- Journal of Comparative Human Biology, 2019, 70, 185-192. | 0.7 | 4 |
| 31 | Smile Aesthetics Satisfaction Scale: development and validation of a new brief five-item measure of satisfaction with smile aesthetics in adults and the elderly. International Dental Journal, 2018, 68, 162-170. | 2.6 | 16 |
| 32 | Effect of oral antiseptics on the corrosion stability of nickel–titanium orthodontic alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 510-518. | 1.5 | 9 |
| 33 | Development and validation of a new condition-specific instrument for evaluation of smile esthetics-related quality of life. Journal of Esthetic and Restorative Dentistry, 2018, 30, 160-167. | 3.8 | 5 |
| 34 | Satisfaction with facial profile aesthetics: are norms overrated?. International Journal of Oral and Maxillofacial Surgery, 2018, 47, 72-78. | 1.5 | 9 |
| 35 | Comparison of Shear Bond Strength of Orthodontic Brackets Using Direct and Indirect Bonding Methods in Vitro and in Vivo. Acta Informatica Medica, 2018, 26, 125. | 1.1 | 19 |
| 36 | Corrosion Behavior of Coated and Uncoated Nickel-Titanium Orthodontic Wires in Artificial Saliva with Short-term Prophylactic Fluoride Treatment. International Journal of Electrochemical Science, 2018, 13, 4160-4170. | 1.3 | 14 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Caries Experience in Patients Referred for an Orthodontic Consultation. <i>Acta Stomatologica Croatica</i> , 2018, 52, 123-131. | 1.0 | 4 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Corrosion of Nickel-Titanium Orthodontic Archwires in Saliva and Oral Probiotic Supplements. <i>Acta Stomatologica Croatica</i> , 2017, 51, 316-325. | 1.0 | 11 |
| 50 | Frequency, Context and Characteristics of Smile Used in Advertising. <i>Acta Stomatologica Croatica</i> , 2017, 51, 41-47. | 1.0 | 5 |
| 51 | 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 |
| 52 | Biological predictors of mandibular asymmetries in children with mixed dentition. <i>Cranio - Journal of Craniomandibular Practice</i> , 2016, 34, 303-308. | 1.4 | 5 |
| 53 | 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 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Analysis of Translucency Parameter of Glass-Ceramics Fabricated by Different Techniques. <i>Acta Stomatologica Croatica</i> , 2015, 49, 27-35. | 1.0 | 7 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Temporomandibular disorders and orthodontic treatment need in orthodontically untreated children and adolescents. <i>Collegium Antropologicum</i> , 2015, 39, 151-8. | 0.2 | 14 |
| 66 | Geometrical design characteristics of orthodontic mini-implants predicting maximum insertion torque. <i>Korean Journal of Orthodontics</i> , 2014, 44, 177. | 2.3 | 16 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | Machine-Driven Versus Manual Insertion Mode. <i>Implant Dentistry</i> , 2014, Publish Ahead of Print, 31-6. | 1.3 | 7 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | The psychosocial impact of dental aesthetics questionnaireâ€™ translation and cross-cultural validation in Croatia. <i>Quality of Life Research</i> , 2014, 23, 1267-1271. | 3.1 | 44 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | Periodontal disease increases risk for chronic obstructive pulmonary disease. <i>Collegium Antropologicum</i> , 2013, 37, 937-42. | 0.2 | 18 |
| 81 | 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 |
| 82 | In vitro oxidative stress induced by conventional and self-ligating brackets. <i>Angle Orthodontist</i> , 2012, 82, 340-345. | 2.4 | 18 |
| 83 | 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 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | Maximum voluntary molar bite force in subjects with normal occlusion. <i>European Journal of Orthodontics</i> , 2011, 33, 427-433. | 2.4 | 198 |
| 88 | 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 |
| 89 | Dental archforms in dentoalveolar Class I, II and III. <i>Angle Orthodontist</i> , 2010, 80, 919-924. | 2.4 | 32 |
| 90 | Perception of orthodontic treatment need in children and adolescents. <i>European Journal of Orthodontics</i> , 2010, 32, 387-394. | 2.4 | 41 |

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|----|--|-----|-----------|
| 91 | Skeletal components of class III malocclusions and compensation mechanisms. Journal of Oral Rehabilitation, 2008, 35, 629-637. | 3.0 | 18 |
| 92 | The influence of war on the oral health of professional soldiers. International Dental Journal, 2008, 58, 71-74. | 2.6 | 18 |
| 93 | Periodontal conditions and oral hygiene in rural population of post-war Vukovar region, Croatia in correlation to stress. European Journal of Medical Research, 2008, 13, 100-6. | 2.2 | 4 |
| 94 | Degree of correlation between two periodontal indices in a rural Croatian population. International Dental Journal, 2004, 54, 261-268. | 2.6 | 6 |
| 95 | Reasons for extraction of permanent teeth in urban and rural populations of Croatia. Collegium Antropologicum, 2004, 28, 833-9. | 0.2 | 10 |
| 96 | The distribution of periodontal disease and loss of attachment in jaw sextants in different age groups--cross-sectional study. Collegium Antropologicum, 2003, 27 Suppl 1, 183-90. | 0.2 | 0 |