

# Stefano Sivolella

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

2,061  
citations

318942

23  
h-index

299063

42  
g-index

93  
all docs

93  
docs citations

93  
times ranked

3400  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Powder-based 3D printing for bone tissue engineering. <i>Biotechnology Advances</i> , 2016, 34, 740-753.   | 6.0 | 236       |
| 2  | Nanostructured Biomaterials for Tissue Engineered Bone Tissue Reconstruction. <i>International Journal of Molecular Sciences</i> , 2012, 13, 737-757.  | 1.8 | 99        |
| 3  | Metal Nanoparticles Released from Dental Implant Surfaces: Potential Contribution to Chronic Inflammation and Peri-Implant Bone Loss. <i>Materials</i> , 2019, 12, 2036.   | 1.3 | 96        |
| 4  | Endoscopic evaluation of the bone-added osteotome sinus floor elevation procedure. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2004, 33, 189-194.   | 0.7 | 95        |
| 5  | Toward the Validation of Visual Analogue Scale for Anxiety. <i>Anesthesia Progress</i> , 2011, 58, 8-13.   | 0.2 | 77        |
| 6  | Denosumab and anti-angiogenetic drug-related osteonecrosis of the jaw: an uncommon but potentially severe disease. <i>Anticancer Research</i> , 2013, 33, 1793-7.  | 0.5 | 75        |
| 7  | Osteotomy for Lower Third Molar Germectomy: Randomized Prospective Crossover Clinical Study Comparing Piezosurgery and Conventional Rotatory Osteotomy. <i>Journal of Oral and Maxillofacial Surgery</i> , 2011, 69, e15-e23.  | 0.5 | 68        |
| 8  | Biocompatibility and antibacterial properties of zirconium nitride coating on titanium abutments: An in vitro study. <i>PLoS ONE</i> , 2018, 13, e0199591.   | 1.1 | 65        |
| 9  | Donor Age-Related Biological Properties of Human Dental Pulp Stem Cells Change in Nanostructured Scaffolds. <i>PLoS ONE</i> , 2012, 7, e49146.   | 1.1 | 64        |
| 10 | Adipose Tissue Regeneration: A State of the Art. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-12.   | 3.0 | 56        |
| 11 | Silver Nanoparticles in Alveolar Bone Surgery Devices. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-12.   | 1.5 | 56        |
| 12 | Nanostructured Surfaces of Dental Implants. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1918-1931.  | 1.8 | 53        |
| 13 | In Vitro Concurrent Endothelial and Osteogenic Commitment of Adipose-Derived Stem Cells and Their Genomical Analyses Through Comparative Genomic Hybridization Array: Novel Strategies to Increase the Successful Engraftment of Tissue-Engineered Bone Grafts. <i>Stem Cells and Development</i> , 2012, 21, 767-777. | 1.1 | 50        |
| 14 | A Hyaluronan-Based Scaffold for the in Vitro Construction of Dental Pulp-Like Tissue. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4666-4681.  | 1.8 | 49        |
| 15 | Autogenous particulate bone collected with a piezo-electric surgical device and bone trap: a microbiological and histomorphometric study. <i>Archives of Oral Biology</i> , 2006, 51, 883-891.   | 0.8 | 45        |
| 16 | Biopolymers for Hard and Soft Engineered Tissues: Application in Odontoiatric and Plastic Surgery Field. <i>Polymers</i> , 2011, 3, 509-526.   | 2.0 | 43        |
| 17 | Mechanisms underlying the attachment and spreading of human osteoblasts: From transient interactions to focal adhesions on vitronectin-grafted bioactive surfaces. <i>Acta Biomaterialia</i> , 2013, 9, 6105-6115.   | 4.1 | 41        |
| 18 | Extraoral endodontic treatment, odontotomy and intentional replantation of a double maxillary lateral permanent incisor: case report and 6-year follow-up. <i>International Endodontic Journal</i> , 2008, 41, 538-546.  | 2.3 | 34        |

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|----|--|-----|-----------|
| 19 | Splinted and Unsplinted Short Implants in Mandibles: A Retrospective Evaluation With 5 to 16 Years of Follow-Up. <i>Journal of Periodontology</i> , 2013, 84, 502-512.   | 1.7 | 33        |
| 20 | Nanotechnology to drive stem cell commitment. <i>Nanomedicine</i> , 2013, 8, 469-486.  | 1.7 | 29        |
| 21 | Implant-supported mandibular overdentures: a cross-sectional study. <i>Clinical Oral Implants Research</i> , 2012, 23, 814-819.  | 1.9 | 28        |
| 22 | The Impact of Bioceramic Scaffolds on Bone Regeneration in Preclinical In Vivo Studies: A Systematic Review. <i>Materials</i> , 2020, 13, 1500.  | 1.3 | 27        |
| 23 | Melkersson-Rosenthal syndrome: a case report of a rare disease with overlapping features. <i>Allergy, Asthma and Clinical Immunology</i> , 2019, 15, 1.  | 0.9 | 26        |
| 24 | Destructive Membranous Periodontal Disease (Ligneous Gingivitis): A Literature Review. <i>Journal of Periodontology</i> , 2012, 83, 465-476.   | 1.7 | 25        |
| 25 | Diode laser to treat small oral vascular malformations: A prospective case series study. <i>Lasers in Surgery and Medicine</i> , 2018, 50, 111-116.  | 1.1 | 25        |
| 26 | Dental care during COVID-19 pandemic: Survey of experts' opinion. <i>Clinical Oral Implants Research</i> , 2020, 31, 1253-1260.  | 1.9 | 25        |
| 27 | Release of VEGF from Dental Implant Improves Osteogenetic Process: Preliminary In Vitro Tests. <i>Materials</i> , 2017, 10, 1052.  | 1.3 | 23        |
| 28 | Osteogenesis at implants without primary bone contact – An experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2012, 23, 542-549.   | 1.9 | 21        |
| 29 | Bioactive Sphene-Based Ceramic Coatings on cpTi Substrates for Dental Implants: An In Vitro Study. <i>Materials</i> , 2018, 11, 2234.  | 1.3 | 21        |
| 30 | Managing dentoalveolar surgical procedures in patients taking new oral anticoagulants. <i>Odontology / the Society of the Nippon Dental University</i> , 2015, 103, 258-263.                                   | 0.9 | 20        |
| 31 | Nanostructured Guidance for Peripheral Nerve Injuries: A Review with a Perspective in the Oral and Maxillofacial Area. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3088-3117.               | 1.8 | 19        |
| 32 | Influence of Crown-to-Implant Ratio on Long-Term Marginal Bone Loss Around Short Implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019, 34, 992-998.                                | 0.6 | 19        |
| 33 | The bone lid technique in oral surgery: a case series study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017, 46, 1490-1496.   | 0.7 | 17        |
| 34 | In Vitro Implant Impression Accuracy Using a New Photopolymerizing SDR Splinting Material. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, e721-9.  | 1.6 | 16        |
| 35 | Experimental Analysis of Temperature Differences During Implant Site Preparation: Continuous Drilling Technique Versus Intermittent Drilling Technique. <i>Journal of Oral Implantology</i> , 2018, 44, 46-50. | 0.4 | 16        |
| 36 | Adipose-Derived Stem Cells as a Tool for Dental Implant Osseointegration: an Experimental Study in the Dog. <i>International Journal of Molecular and Cellular Medicine</i> , 2015, 4, 197-208.                | 1.1 | 16        |

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|----|--|-----|-----------|
| 37 | Maxillary sinus bone lid with pedicled bone flap for foreign body removal: the piezoelectric device. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 987-989.   | 0.4 | 15        |
| 38 | Pulsed electromagnetic fields for postoperative pain: a randomized controlled clinical trial in patients undergoing mandibular third molar extraction. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, 293-300. | 0.2 | 15        |
| 39 | A Novel <i>In Vitro</i> Technique for Assessing Dental Implant Osseointegration. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 132-141.  | 1.1 | 15        |
| 40 | An Observational Cohort Study on Delayed-Onset Infections after Mandibular Third-Molar Extractions. <i>International Journal of Dentistry</i> , 2017, 2017, 1-5.   | 0.5 | 14        |
| 41 | Rehabilitation With Implants After Bone Lid Surgery in the Posterior Mandible. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 1485-1492.   | 0.5 | 13        |
| 42 | Analysis of an anxiolytic technique applied in 1179 patients undergoing oral surgery. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2005, 54, 551-68.   | 1.3 | 13        |
| 43 | Periodontal Injection of Lipopolysaccharide Promotes Arthritis Development in Mice. <i>Inflammation</i> , 2019, 42, 1117-1128.   | 1.7 | 12        |
| 44 | Short implants (6Âmm) installed immediately into extraction sockets: An experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2012, 23, 536-541.  | 1.9 | 11        |
| 45 | Diode laser treatment is effective for plaque-like lichen planus of the tongue: a case report. <i>Lasers in Medical Science</i> , 2012, 27, 521-524.   | 1.0 | 11        |
| 46 | Retrieval of blade implants with piezosurgery: two clinical cases. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2007, 56, 53-61.   | 1.3 | 11        |
| 47 | Exosomes Derived from Dental Pulp Stem Cells Show Different Angiogenic and Osteogenic Properties in Relation to the Age of the Donor. <i>Pharmaceutics</i> , 2022, 14, 908.  | 2.0 | 11        |
| 48 | Healing of buccal dehiscence defects at implants installed immediately into extraction sockets “ an experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2013, 24, 270-277.  | 1.9 | 10        |
| 49 | Non-Washed Resorbable Blasting Media (NWRBM) on Titanium Surfaces could Enhance Osteogenic Properties of MSCs through Increase of miRNA-196a And VCAM1. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 543-552.                                  | 5.6 | 10        |
| 50 | Evaluation and comparison of histologic changes and implant survival in extraction sites immediately grafted with two different xenografts: A randomized clinical pilot study. <i>Clinical Oral Implants Research</i> , 2020, 31, 825-835.         | 1.9 | 9         |
| 51 | Biofunctionalization of bioactive ceramic scaffolds to increase the cell response for bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 055007.   | 1.7 | 9         |
| 52 | Maxillary dentigerous cyst associated with an ectopic third molar in the maxillary sinus: a literature review and report of six consecutive cases. <i>Oral Surgery</i> , 2014, 7, 72-78.   | 0.1 | 8         |
| 53 | Dental care during COVID-19 pandemic: Follow-up survey of experts' opinion. <i>Clinical Oral Implants Research</i> , 2021, 32, 342-352.  | 1.9 | 8         |
| 54 | A retrospective study on the incidence of medication-related osteonecrosis of the jaws (MRONJ) associated with different preventive dental care modalities. <i>Supportive Care in Cancer</i> , 2022, 30, 1723-1729.                                | 1.0 | 8         |

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|----|--|-----|-----------|
| 55 | Deproteinized bovine bone mineral particles and osseointegration of implants without primary bone contact: an experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2014, 25, 296-303.  | 1.9 | 7         |
| 56 | Guided Bone Regeneration in the Treatment of a Lateral Periodontal Cyst: 2-Year Clinical and Radiologic Follow-up. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2018, 38, 747-754.   | 0.4 | 7         |
| 57 | CT-based dentulous mandibular alveolar ridge measurements as predictors of crown-to-implant ratio for short and extra short dental implants. <i>Scientific Reports</i> , 2020, 10, 16229.  | 1.6 | 7         |
| 58 | Bone plate repositioned over the antrostomy after sinus floor elevation: an experimental study in sheep. <i>International Journal of Implant Dentistry</i> , 2020, 6, 11.  | 1.1 | 7         |
| 59 | Biobanking in dentistry: A review. <i>Japanese Dental Science Review</i> , 2022, 58, 31-40.  | 2.0 | 7         |
| 60 | Comparison by means of bispectral index score, between anxiolysis induced by diazepam and sedation induced by midazolam. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2011, 60, 365-81.                                      | 1.3 | 7         |
| 61 | Dental implant failure associated with a residual maxillary cyst. <i>British Dental Journal</i> , 2010, 208, 153-154.  | 0.3 | 6         |
| 62 | Canalicular adenoma immunoprofile: a case report. <i>Gerodontology</i> , 2014, 31, 320-324.  | 0.8 | 6         |
| 63 | Endoscopy-assisted removal through combined lower and middle meatomies of an ectopic upper third molar in the sinus associated with a dentigerous cyst. <i>Oral and Maxillofacial Surgery Cases</i> , 2018, 4, 23-31.  | 0.1 | 6         |
| 64 | Prophylactic protocol for dental care in ligneous gingivitis due to severe plasminogen deficiency: Case report and review of literature. <i>Haemophilia</i> , 2019, 25, 693-698.   | 1.0 | 6         |
| 65 | Sporadic Burkitt Lymphoma Mimicking Osteomyelitis of the Mandible Revealing Clinically Unsuspected HIV Infection. <i>Anticancer Research</i> , 2015, 35, 4837-9.   | 0.5 | 6         |
| 66 | Mandibular Molar Uprighting Using Skeletal Anchorage: A Novel Approach. <i>Journal of Clinical Medicine</i> , 2022, 11, 3565.  | 1.0 | 6         |
| 67 | Assessing the need for computed tomography for lower-third-molar extraction: a survey among 322 dentists. <i>Radiologia Medica</i> , 2012, 117, 112-124.   | 4.7 | 5         |
| 68 | An In Vivo Study in Rat Femurs of Bioactive Silicate Coatings on Titanium Dental Implants. <i>Journal of Clinical Medicine</i> , 2020, 9, 1290.  | 1.0 | 5         |
| 69 | Influence of estroprogestinic therapy on the postoperative course following impacted third molar extraction. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2010, 59, 611-23.  | 1.3 | 5         |
| 70 | Effect on wound healing of a topical gel containing amino acid and sodium hyaluronate applied to the alveolar socket after mandibular third molar extraction: A double-blind randomized controlled trial. <i>Quintessence International</i> , 2018, 49, 831-840. | 0.3 | 5         |
| 71 | Novel Nanotechnologies for Brain Cancer Therapeutics and Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1899-1912.   | 0.5 | 4         |
| 72 | Bone Temperature Variation Using a 3D-Printed Surgical Guide with Internal Irrigation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2588.   | 1.3 | 4         |

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|----|--|-----|-----------|
| 73 | Platform switching on wide-diameter external hex implants: a finite element analysis.. Journal of Clinical and Experimental Dentistry, 2013, 5, e77-82.  | 0.5 | 4         |
| 74 | Validation of visual analogue scale for anxiety (VAS-A) in dentistry. International Journal of Oral and Maxillofacial Surgery, 2011, 40, 1058.   | 0.7 | 3         |
| 75 | Delivery Systems and Role of Growth Factors for Alveolar Bone Regeneration in Dentistry. , 2013, , .   |     | 3         |
| 76 | Healing of human critical-size alveolar bone defects secondary to cyst enucleation: a randomized pilot study with 12 months follow-up. Minerva Dental and Oral Science, 2018, 67, 148-155.   | 0.5 | 3         |
| 77 | Nasopalatine duct cyst as a complication of dental implant placement: a case report. Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery, 2013, 62, 235-9.   | 1.3 | 3         |
| 78 | The Bone Lid Technique in Oral and Maxillofacial Surgery: A Scoping Review. Journal of Clinical Medicine, 2022, 11, 3667.  | 1.0 | 3         |
| 79 | Uprighting of the Impacted Second Mandibular Molar with Skeletal Anchorage. , 2012, , .  |     | 2         |
| 80 | A Conservative Approach to a Peripheral Ameloblastoma. Case Reports in Dentistry, 2016, 2016, 1-5.   | 0.2 | 2         |
| 81 | Implantoplasty: Carbide burs vs diamond sonic tips. An in vitro study. Clinical Oral Implants Research, 2021, 32, 324-336.   | 1.9 | 2         |
| 82 | Temperatures generated during implant site preparation with conventional drilling versus single-drill method: an ex-vivo human mandible study. Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery, 2020, 68, 277-284.       | 1.3 | 2         |
| 83 | A radiographic-based method for marginal bone loss measurement in dental implants. , 2013, , .   |     | 1         |
| 84 | Diode laser for the treatment of a high flow lip vascular malformation: a case report with four years follow up. Minerva Dental and Oral Science, 2021, , .  | 0.5 | 1         |
| 85 | Hereditary angioedema and anxiety in oral surgery: a case series report. Quintessence International, 2015, 46, 417-22.   | 0.3 | 1         |
| 86 | Stem Cells Commitment on Graphene-Based Scaffolds. Carbon Nanostructures, 2016, , 103-133.   | 0.1 | 0         |
| 87 | OP0172â€¦Lps-induced periodontitis promotes arthritis development in mice. , 2018, , .   |     | 0         |
| 88 | Maxillary sinus augmentation with bovine bone and simultaneous dental implant placement in conditions of severe alveolar atrophy: a retrospective analysis of a consecutively treated case series. Quintessence International, 2011, 42, 851-62. | 0.3 | 0         |
| 89 | Four atypical cases of misdiagnosed facial cutaneous sinuses of dental origin. Minerva Dental and Oral Science, 2022, 71, 89-95.   | 0.5 | 0         |