

Publications

1. Original articles – peer reviewed journals

1. Glauser R, **Sailer I**, Wohlwend A, Studer S, Schibli M, Schärer P.
Experimental zirconia abutments for implant-supported single-tooth restorations in esthetically demanding regions: 4-year results of a clinical study. *International Journal of Prosthodontics* 2004; 17(3): 285-290.
Impact Factor: 1.185
2. **Sailer I**, Fehér A, Filser F, Lüthy H, Gauckler LJ, Schärer P, Hämmerle CHF.
Prospective clinical study of zirconia posterior fixed partial dentures: 3-year follow-up. *Quintessence International* 2006; 38(9): 685-693.
Impact Factor: 0.728
3. Jung R, Kalkstein O, **Sailer I**, Roos M, Hämmerle CHF. A comparison of composite post buildups and cast gold post-and-core buildups for the restoration of non-vital teeth after 5 to 10 years. *International Journal of Prosthodontics* 2007; 20(1): 63-69.
Impact Factor: 1.185
4. **Sailer I**, Holderegger C, Jung RE, Suter A, Thiévent B, Pietrobon N, Gebhard-Achilles W, Hämmerle CHF. Clinical study of the color stability of veneering ceramics for zirconia frameworks. *International Journal of Prosthodontics* 2007; 20(3): 263-269
Impact Factor: 1.185
5. Windisch SI, Jung RE, **Sailer I**, Studer SP, Ender A, Hämmerle CHF. A new optical method to evaluate three-dimensional volume changes of alveolar contours: a methodological in vitro study. *Clinical Oral Implants Research* 2007; 18(5): 545-551.
Impact Factor: 3.123
6. Jung RE, **Sailer I**, Hämmerle CHF, Attin T, Schmidlin P. In vitro color changes of soft tissues caused by restorative materials. *International Journal of Periodontics and Restorative Dentistry* 2007; 27(3): 251-257.
Impact Factor: 1.007
7. **Sailer I**, Fehér A, Filser F, Gauckler LJ, Lüthy H, Hämmerle CHF. Five-year clinical results of zirconia frameworks for posterior fixed partial dentures. *International Journal of Prosthodontics* 2007; 20(4): 383-388.
Impact Factor: 1.185

8. Holderegger C, **Sailer I**, Schuhmacher C, Schlöpfer R, Hämmerle CHF, Fischer J. Shear bond strength of resin cements to human dentin. *Dental Materials* 2008; 24(7): 944-950.
Impact Factor: 4.160
9. Wettstein F, **Sailer I**, Roos M, Hämmerle CHF. Clinical study of the internal gaps of zirconia and metal frameworks for fixed partial dentures. *European Journal of Oral Sciences* 2008; 116(3): 272-279.
Impact Factor: 1.729
10. Jung RE, Holderegger C, **Sailer I**, Khraisat A, Suter A, Hämmerle CHF. The effect of all-ceramic and porcelain-fused-to-metal restorations on marginal peri-implant soft tissue color: a randomized controlled clinical trial. *International Journal of Periodontics and Restorative Dentistry* 2008; 28(4): 357-365.
Impact Factor: 1.007
11. **Sailer I**, Zembic A, Jung RE, Siegenthaler D, Holderegger C, Hämmerle CHF. Randomized controlled clinical trial of customized zirconia and titanium implant abutments for canine and posterior single-tooth implant reconstructions: Preliminary results at 1 year of function. *Clinical Oral Implants Research* 2009; 20(3): 219-225.
Impact Factor: 3.123
12. Zembic A, **Sailer I**, Jung RE, Hämmerle CHF. Randomized controlled clinical trial of customized zirconia and titanium implant abutments for single tooth implants in canine and posterior regions: 3-year results. *Clinical Oral Implants Research* 2009, 20(8): 802-808.
Impact Factor: 3.123
13. **Sailer I**, Sailer T, Stawarczyk B, Jung RE, Hämmerle CHF. In-vitro study of the influence of the type of connection on the fracture load of zirconia abutments with internal and external implant-abutment connections. *International Journal of Oral and Maxillofacial Implants* 2009; 24(5): 850-858.
Impact Factor: 1.491
14. **Sailer I**, Gottner J, Känel S, Hämmerle CHF. Randomized controlled clinical trial of zirconia-ceramic and metal-ceramic posterior fixed dental prostheses (FDPs): 3-year follow-up. *International Journal of Prosthodontics* 2009; 22(6): 553-560. *Impact Factor: 1.185*

15. **Sailer I**, Thoma A, Khraisat A, Jung RE, Hämmerle CHF. Influence of white and gray endodontic posts on color changes of tooth roots, composite cores and all-ceramic crowns. *Quintessence International* 2010; 41(2): 135-44.
Impact Factor: 0.728
16. **Sailer I**, Tettamanti S, Stawarczyk B, Hämmerle CHF. In-vitro study of the influence of dentin sealing and desensitizing on the shear bond strength of two universal resin cements. *Journal of Adhesive Dentistry* 2010;12(5): 381-392.
Impact Factor: 1.435
17. Philipp A, Fischer J, Hämmerle CHF, **Sailer I**. Novel ceria-stabilized tetragonal zirconia/alumina nanocomposite as framework material for posterior fixed dental prostheses. Preliminary results of a prospective case series at 1 year of function. *Quintessence International*; 2010; 41(4): 313-319.
Impact Factor: 0.728
18. **Sailer I**, Zembic A, Jung RE, Hämmerle CHF, Mattiola A. Single-tooth implant reconstructions: Esthetic factors influencing the decision between titanium and zirconia abutments in anterior regions. *European Journal of Esthetic Dentistry* 2007; 2(3): 296-310.
No Impact Factor
19. Re D, Augusti D, **Sailer I**, Spreafico D, Cerutti A. The effect of surface treatment on the adhesion of resin cements to Y-TZP. *European Journal of Esthetic Dentistry* 2008; 3(2): 186-196.
No Impact Factor
20. Stawarczyk B, **Sailer I**, Zahno X, Trottmann A, Fischer J, Hämmerle CHF. Für den Erfolg entscheidend. Metallfreie, zirkoniumdioxidbasierte Rekonstruktionen – Bearbeitungsschritte zum Erfolg. *Dental Dialogue* 2009; 10(1): 84-102.
No Impact Factor
21. Stawarczyk B, **Sailer I**, Sapina B, Ender A, Trottmann A, Hämmerle CHF; Provisoren CAD/CAM oder konventionell gefertigt – eine Standortbestimmung. *Dental Dialogue* 2009; 10(2): 30-74.
No Impact Factor
22. Hobkirk JA, Wiskott HW, Working group 1; Ceramics in implant dentistry (Working group 1); *Clinical Oral Implants Research* 2009; Suppl. 4: 55- 57.
Impact Factor: 3.123

23. Fischer J, Stawarczyk B, **Sailer I**, Hämmerle CH; Shear bond strength between veneering ceramics and ceria-stabilized zirconia/alumina; *Journal of Prosthetic Dentistry* 2010; 103(5): 267-274.
Impact Factor: 1.419
24. Silva NRFA, **Sailer I**, Zhang Y, Coelho PG, Guess P, Zembic A, Kohal RJ; Performance of zirconia for dental healthcare; *Materials* 2010; 3: 863- 896.
No Impact Factor
25. Bonfante EA, **Sailer I**, Silva NR, Thompson VP, Dianne Rekow E, Coelho PG; Failure modes of Y-TZP crowns at different cusp inclines; *Journal of Dentistry* 2010; 38(9): 707- 712.
Impact Factor: 2.840
26. Stawarczyk B, Hartmann L, Hartmann R, Roos M, Ender A, Ozcan M, **Sailer I**, Hämmerle CH; Impact of Gluma Desensitizer on the tensile strength of zirconia crowns bonded to dentin: an in vitro study. *Clinical Oral Investigations* 2012; 16(1): 201- 213.
Impact Factor: 2.285
27. Truninger TC, Stawarczyk B, Leutert CR, Sailer TR, Hämmerle CHF, **Sailer I**; Bending moments of zirconia and titanium abutments with internal and external implant-abutment connections after aging and chewing simulation. *Clinical Oral Implants Research* 2012; 23(1): 12- 18.
Impact Factor: 3.123
28. Stawarczyk B, Özcan M, Roos M, Trottmann A, **Sailer I**, Hämmerle CH; Load-bearing capacity and failure types of anterior zirconia crowns veneered with overpressing and layering techniques; *Dental Materials* 2011; 27(10): 1045- 1053.
Impact Factor: 4.160
29. Stawarczyk B, Hartmann R, Hartmann L, Roos M, Ozcan M, **Sailer I**, Hämmerle CH; The effect of dentin desensitizer on shear bond strength of conventional and self-adhesive luting cements after aging. *Operative Dentistry* 2011; 36(5): 492- 501.
Impact Factor: 1.266
30. Leutert CR, Stawarczyk B, Truninger T, Hämmerle CHF, **Sailer I**; Bending moments and types of failure of zirconia and titanium abutments with internal implant-abutment connections: A laboratory study; *International Journal of Oral and Maxillofacial Implants* 2012; 27(3): 505- 512.
Impact Factor: 1.491

31. Wolleb K, **Sailer I**, Thoma A, Menghini G, Hämmerle CHF; Clinical and radiographic evaluation of patients receiving both teeth- and implant-supported prosthodontic treatment after 5 years of function; *International Journal of Prosthodontics*; 2012; 25(3): 252-259
Impact Factor: 1.185
32. **Sailer I**, Hernandez Oendra AE Stawarczyk B, Hämmerle CHF; Effects of desensitizing resin, resin sealing and provisional cement on the shear bond strength of dentin luted with self-adhesive and conventional resin cements; *Journal of Prosthetic Dentistry* 2012; 107(4): 252-260.
Impact Factor: 1.419
33. Sax C, Hämmerle CHF, **Sailer I**; 10 year outcomes of fixed dental prostheses with zirconia frameworks; *International Journal of Computerized Dentistry* 2011; 14(3): 183- 202.
No Impact Factor
34. Gotfredsen K, Wiskott A, Working group 4. Consensus report – reconstructions on implants. The third EAO Consensus Conference. *Clinical Oral Implants Research* 2012; 23 Suppl. 6: 238-241
Impact Factor: 3.123
35. Benic GI, Wolleb K, Hämmerle CHF, **Sailer I**. Effect of the color of intra- radicular post on the color of buccal gingiva: a spectrophotometric evaluation. *International Journal of Periodontics and Restorative Dentistry* 2013; 33(6): 733-741
Impact Factor: 1.007
36. Gökkaya FA, Stawarczyk B, Hämmerle CHF, **Sailer I**. Influence of silanes on the shear bond strength of resin cements to zirconia. *Quintessence International* 2013; 44(8): 591-600
Impact Factor: 0.728
37. Zhang Y, **Sailer I**, Lawn BR. Fatigue of dental ceramics. *Journal of Dentistry* 2013; 41(12): 1135-1147.
Impact Factor: 2.840
38. Zembic A, Bösch A, Jung RE, Hämmerle CHF, **Sailer I**. Five-year results of a randomized controlled clinical trial comparing zirconia and titanium abutments supporting single implant crowns in canine and posterior regions. *Clinical Oral Implants Research* 2012; 24(4): 384-390
Impact Factor: 3.123

39. Hitz T, Stawarczyk B, Fischer J, Hämmerle CHF, **Sailer I**. Are new generation self-adhesive resin cements a valid alternative to conventional resin cements? A laboratory study of the long-term bond strength to dentin and glass-ceramic. *Dental Materials* 2012; 28(11): 1183-90
Impact Factor: 3.135
40. **Sailer I**, Bonani TA, Brodbeck U, Hämmerle CHF. Retrospective clinical study of single-retainer cantilever anterior and posterior glass-ceramic resin-bonded fixed dental prostheses at a mean follow-up of 5 years. *International Journal of Prosthodontics* 2013; 26(5): 443-450
Impact Factor: 1.185
41. Mühlemann S, Truninger TC, Stawarczyk B, Hämmerle CHF, **Sailer I**. Bending moments of zirconia and titanium implant abutments supporting all-ceramic crowns after aging. *Clinical Oral Implants Research* 2014; 25(1): 74-81
Impact Factor: 3.123
42. **Sailer I**, Hämmerle CHF. Zirconia- ceramic single- retainer resin- bonded fixed dental prostheses (RBFDPs) after 4 years of clinical service: a retrospective clinical and volumetric study. *International Journal of Periodontics and Restorative Dentistry* 2014; 34(3): 333- 343
Impact Factor: 1.007
43. Büchi DL, Ebler S, Hämmerle Ch, **Sailer I**. Marginal and internal fit of curved anterior CAD/CAM milled zirconia fixed dental prostheses: an in-vitro study. *Quintessence International* 2014; 45(10): 837-846
Impact Factor: 0.728
44. Fehmer V, Mühlemann S, Hämmerle CH, **Sailer I**. Criteria for the selection of restoration materials. *Quintessence International* 2014; 45(9): 723-730
Impact Factor: 0.728
45. **Sailer I**, Fehmer V, Ioannidis A, Hämmerle CH, Thoma DS. Threshold value for the perception of color changes of human gingiva. *International Journal of Periodontics and Restorative Dentistry* 2014; 34(6): 757-762. *Impact Factor: 1.007*
46. Büchi DL, **Sailer I**, Fehmer V, Hämmerle CH, Thoma DS. All-ceramic single-tooth implant reconstructions using modified zirconia abutments: a prospective randomized controlled clinical trial of the effect of pink veneering ceramic on the esthetic outcomes. *International Journal of Periodontics and Restorative Dentistry* 2014; 34(1): 29-37.
Impact Factor: 1.007

47. Pecnik CM, Roos M, Muff D, Spolenak R, **Sailer I**. In vitro color evaluation of esthetic coatings for metallic dental implants and implant prosthetic appliances. *Clinical Oral Implants Research* 2014; epub ahead of print
Impact Factor: 3.123
48. Zembic A, Philipp AO, Hämmerle CH, Wohlwend A, **Sailer I**. Eleven-year follow-up of a prospective study of zirconia implant abutments supporting single all-ceramic crowns in anterior and premolar regions. *Clinical Implant Dentistry and Related Research* 2014; epub ahead of print
Impact Factor: 2.796
49. Pecnik CM, Muff D, Spolenak R, **Sailer I**. Color evaluation of a dielectric mirror coating using porcine tissue and prosthetic material: a comparison of two models. *Clinical Oral Implants Research* 2014; accepted for publication
Impact Factor: 3.123
50. Thoma DS, Lustenberger F, Fehmer V, Büchi DLE, Hämmerle CHF, **Sailer I**. Randomized clinical trial of all-ceramic single tooth implant reconstructions using modified zirconia abutments: radiographic and prosthetic results at one year of loading. *Clinical Implant Dentistry and Related Research* 2015; accepted for publication
Impact Factor: 2.796
51. Nänni N, Bindl A, Sax C, Hämmerle CH, **Sailer I**. A randomized clinical trial of 3-unit posterior zirconia-ceramic fixed dental prostheses (FDP) with layered or pressed veneering ceramics: 3- year results. *Journal of Dentistry* 2014; submitted for publication
Impact Factor: 2.840.
52. Grohmann P, Bindl A, Hämmerle CH, Mehl A, **Sailer I**. A randomized clinical trial of 3-unit posterior zirconia- ceramic fixed dental prostheses (FDPs) veneered with layered and milled (CAD-on) veneering ceramics: 1-year follow up. *Journal of Dentistry* 2015; submitted for publication
Impact Factor: 2.840.

2. Review articles

1. Pjetursson BE, **Sailer I**, Zwahlen M, Hämmerle CHF. A systematic review of the survival and complication rates of all-ceramic and metal-ceramic reconstructions after an observation period of at least 3 years. Part I: Single crowns. *Clinical Oral Implant Research* 2007; 18 Suppl 3:73-85.
Impact Factor: 3.123

2. **Sailer I**, Pjetursson BE, Zwahlen M, Hämmerle CHF. A systematic review of the survival and complication rates of all-ceramic and metal-ceramic reconstructions after an observation period of at least 3 years. Part II: Fixed dental prostheses. *Clinical Oral Implants Research* 2007; 18 Suppl 3:86-96.
Impact Factor: 3.123
3. **Sailer I**, Zembic A, Philipp A, Pjetursson BE, Hämmerle CHF, Zwahlen M. Systematic review of the performance of ceramic and metal implant abutments. *Clinical Oral Implants Research* 2009; 20 Suppl 4:4-31.
Impact Factor: 3.123
4. **Sailer I**, Mühlemann S, Zwahlen M, Hämmerle CHF, Schneider D. Cemented and screw-retained implant reconstructions: A systematic review of the survival and complication rates. *Clinical Oral Implants Research* 2012; 23 Suppl. 6: 163-201.
Impact Factor: 3.123
5. Gracis S, Michalakis K, Vigolo P, Vult von Steyern P, Zwahlen M, **Sailer I**. Internal vs. external connections for abutments/ reconstructions: a systematic review. *Clinical Oral Implants Research* 2012; 23 Suppl. 6: 202- 216.
Impact Factor: 3.123
6. Pjetursson BE, Asgeirsson AG, Zwahlen M, **Sailer I**. Improvements in implant dentistry over the last decade: comparison of survival and complication rates in older and newer publications. *International Journal of Oral and Maxillofacial Implants* 2014; 29 Suppl.: 308- 324.
Impact Factor: 1.491
7. **Sailer I**, Makarov NA, Thoma DS, Zwahlen M, Pjetursson BE. All- ceramic or metal- ceramic tooth-supported fixed dental prostheses (FDPs)? A systematic review of the survival and complication rates. Part I: Single crowns (SCs) *Dental Materials* 2014; accepted with revision
Impact Factor: 4.160
8. Pjetursson BE, **Sailer I**, Makarov, NA, Zwahlen M, Thoma DS. All- ceramic or metal- ceramic tooth-supported fixed dental prostheses (FDPs)? A systematic review of the survival and complication rates. Part II: Fixed dental prostheses (FDPs) *Dental Materials* 2014; accepted with revision
Impact Factor: 4.160

3. Case Reports - peer reviewed journals and non-peer reviewed journals

1. Thiévent B, **Sailer I**. Presskeramik für Creation Classic. Ein lang gehegter Wunsch geht in Erfüllung. *Quintessenz Zahntechnik* 2004; 30(6):598-608.
No Impact Factor, peer reviewed
2. Thiévent B, **Sailer I**. Natürlichkeit pur mit Creation. *Dental Labor* 2006; 1:27-36.
No Impact Factor
3. Müller P, Benic G, **Sailer I**. Ästhetische Frontzahnrekonstruktion unter Einbezug des digitalen Workflows. *Quintessenz Zahntechnik* 2011; Issue 2 Jahrgang 37: 190-199
No Impact Factor, peer reviewed
4. Devigus A, **Sailer I**, Fehmer V. Digitaler Workflow in Implant Dentistry: A Case Presentation. *Forum Implantologicum* 2011; Issue 1 Volume 7: 18-23
No Impact Factor
5. Fehmer V, **Sailer I**, Müller P, Hämmerle CHF. Kriterien für die Auswahl rekonstruktiver Materialien. *Quintessenz* 2011; 62(5): 637-644
No Impact Factor, peer reviewed
6. Fehmer V, Hämmerle CHF, **Sailer I**. Kronen: Vollkeramik versus Metallkeramik. *Quintessenz* 2012; 63(12): 1579-1585
No Impact Factor, peer reviewed
7. Büchi D, Fehmer V, **Sailer I**, Wolleb K, Jung RE. Minimally invasive rehabilitation of a patient with amelogenesis imperfecta. *European Journal of Esthetic Dentistry* 2014; 9(2): 134 - 145
No Impact Factor, peer reviewed
8. **Sailer I**, Fehmer V. Exzellente Dentale Ästhetik. *Quintessenz Zahntechnik* 2012; Issue 7 Jahrgang 38: 781-782.
No Impact Factor, peer reviewed
9. Fehmer V, Grohmann P, **Sailer I**. Digitalisierung in der Zahntechnik, ein Fallbericht. *Dental Tribune Swiss Edition* 2012; Issue 5
No Impact Factor
10. Fehmer V, **Sailer I**. Geschichtete versus monolithische Rekonstruktionen. *Quintessenz Zahntechnik* 2014; 40(9): 1102-1112
No Impact Factor, peer reviewed
11. Fehmer V, Grohmann P, **Sailer I**. Monolithische Kronen: Lithiumdisilikat versus Zirkonoxidkeramik. *Quintessenz* 2014; 65(6): 683-691
No Impact Factor, peer reviewed

12. Fehmer V, Rutz G, Hämmerle CHF, **Sailer I**. Die Klebebrücke als alternatives Behandlungskonzept. *Quintessenz Zahntechnik* 2014; 40(1): 34-45
No Impact Factor, peer reviewed
13. Sancho-Puchades M, Fehmer V, **Sailer I**. Advanced smile diagnostics using CAD/CAM mock-ups. *International Journal of Esthetic Dentistry* 2014; accepted for publication
No impact factor, peer reviewed

4. Handbook articles

1. Hämmerle CHF, **Sailer I**, Thoma A, Hälg G, Suter A, Ramel C. Dentale Keramiken. Aktuelle Schwerpunkte für die Klinik. Quintessenz Verlags GmbH 2008.
2. **Sailer I**, Fehér A, Filser F, Lüthy H, Gauckler LJ, Schärer P, Hämmerle C. Prospektive klinische Studie über die Bewährung von Seitenzahnbrücken aus Zirkonoxidkeramik nach 3 Jahren Beobachtungszeit. In: Noack MJ (Editor in Chief); Quintessenz. Update Zahnmedizin:107-117. Quintessenz Verlags GmbH 2009.
3. **Sailer I**. Ceramic fixed bridges replacing anterior and posterior teeth. In: Ferencz JL, Silva NRFA, Navarro JM (Editors); High strength ceramics: Interdisciplinary perspectives. Quintessenz Verlags GmbH 2014
4. Benic G, **Sailer I**. Assessment of esthetics and color for clinical research In: Giannobile WV, Lang NP, Tonetti MS (Editors). Osteology Guidelines for Oral and Maxillofacial Regeneration. Clinical Research. Quintessenz Verlags GmbH 2014.
5. Implantatprothetik. Ein patientenorientiertes Konzept. Wolfart S (Author in chief) with contributions by Harder S, Reich S, **Sailer I** and Weber V. Quintessenz Verlags GmbH 2014.

5. Monographs

no monographs

6. Patents

1. **Sailer I**, Ricci J. Metallic dental implants and prosthetic appliances having colored ceramic surfaces. Patent application no. 1049-1-113P
2. Muff D, Spolenak R, **Sailer I**. Dental implant, crowns, bridge, abutment or orthodontic appliance coated with a highly reflecting interlayer, which is coated by a protective transparent ceramic layer. Patent application no. PCT/EP2014/001087.
3. Muff D, Sykes TW, Spolenak R, **Sailer I**. Medical device having a surface at least partially coated with a reflector coating. Patent application no. PCT/EP2014/001089.