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Advances on biodegradable zinc-silver-based alloys for biomedical applications	J Appl Biomater Functional Mater 2021; Dec 13. doi: 10.1177/22808000211062407
Wear resistance of cast dental Ti-Fe alloys	Dent Mater J 2021; 40(1): 68-73
Ion release and biocompatibility of Co-Cr alloy fabricated by selective laser melting from recycled Co-Cr powder: An in vitro study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2021; Nov 12
Adhesion of veneering porcelain to cobalt-chromium dental alloys processed with casting, milling, and additive manufacturing methods: A systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2021; Jul 19
Mechanical properties and microstructures of cast dental Ti-Fe alloys	Dent Mater J 2021; 40(1): 61-67
Is titanium alloy Ti-6Al-4 V cytotoxic to gingival fibroblasts-A systematic review	Clin Exp Dent Res 2021; 7(6): 1037-1044
Bond durability and surface states of titanium, Ti-6Al-4V alloy, and zirconia for implant materials	J Prosthodont Res 2021; Aug 31
Innovative surfaces and alloys for dental implants: What about biointerface-safety concerns? [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2021; 37(10): 1447-1462
Chemical composition, surface roughness, and ceramic bond strength of additively manufactured cobalt-chromium dental alloys [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2021; 125(5): 825-831
Longevity of resin-bonded fixed partial dentures made of metal alloys: A review of the literature	J Prosthodont Res 2021; 65(3): 267-272
Selective laser melted titanium alloy for transgingival components: influence of surface condition on fibroblast cell behavior (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthodont 2021; Feb 10
Cutting mechanism of straight-tooth milling process of titanium alloy TC21 based on simulation and experiment	PLoS ONE 2021; 16(10): e0258403
ICP-MS measurements of elemental release from two palladium alloys into a corrosion testing medium for different solution volumes and agitation conditions [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2021; Feb 14
Cytocompatibility of Ti-xZr alloys as dental implant materials	J Mater Sci Mater Med 2021; 32(5): 50



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Effect of a vinegar-hydrogen peroxide mixture on the surface properties of a cobalt-chromium alloy: A possible disinfectant for removable partial dentures [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2021; Jan 15
Graphene nanocoating provides superb long-lasting corrosion protection to titanium alloy	Dent Mater 2021; 37(10): 1553-1560
Effect of surface modification of Ti-6Al-4V alloy by electron cyclotron resonance plasma oxidation	Dent Mater J 2021; 40(1): 228-234
Reduction in nickel content of the surface oxide layer on Ni-Ti alloy by electrolytic treatment	J Oral Sci 2021; 63(1): 50-53
Comparison of microstructures and mechanical properties of 3 cobalt-chromium alloys fabricated with soft metal milling technology [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2020; Dec 07
Evaluation of zinc-oxide nanocoating on the characteristics and antibacterial behavior of nickel-titanium alloy	Dent Press Orthod J 2020; 25(04): doi 10.1590/2177-6709.25.4.051-058.oar
Cobalt-chromium alloys fabricated with four different techniques: Ion release, toxicity of released elements and surface roughness [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2020; 36(11): e352-e363
Are metal ions that make up orthodontic alloys cytotoxic, and do they induce oxidative stress in a yeast cell model?	Int J Mol Sci 2020; 21(21): 7993
The influence of recycling on the properties of interface between ceramic and dental alloys	BioMed Res Int 2020; Art ID 3529781
Mechanophysical and biological properties of a 3D-printed titanium alloy for dental applications	Dent Mater 2020; 36(7): 945-958
Inhibiting corrosion of biomedical-grade Ti-6Al-4V alloys with graphene nanocoating [can be accessed on DOSS free by logging in on this page]	J Dent Res 2020; 99(3): 285-292
Effect of denture cleansers on cobalt-chromium alloy surface: a simulated period of 5 years' use [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2020; 29(2): 142-150
A surveillance study of the demand of titanium and titanium alloys in Japan	Dent Mater J 2020; 39(1): 9-11
Biocompatibility and durability of diazonium adhesives on dental alloys [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2020; 29(3): 251-260
A comparative study of the wear of dental alloys against monolithic zirconia [can be accessed on DOSS free by logging in on this page]	J Prosthet Dent 2020; 123(6): 866-873



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Changes in surface properties of dental alloys with atmospheric plasma irradiation	Dent Mater J 2020; 39(3): 375-380
Effect of DLC films with and without silver nanoparticles deposited on titanium alloy	Braz Dent J 2019; 30(6): 607-616
Bond strength of ceramics heat-pressed onto three dental alloys [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2019; 121(5): 867.e1-867.e5
Assessment of cytotoxicity and antibacterial effects of silver nanoparticle-doped titanium alloy surfaces [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2019; 35(9): e220-e233
Additive manufacturing of titanium alloy could modify the pathogenic microbial profile: an in vitro study	Braz Oral Res 2019; 33(Suppl.1): e065
Electrochemical characterization of novel Ag-based brazing alloys for dental applications [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2019; 35(8): e163-e174
Changes in the esthetic, physical, and biological properties of a titanium alloy abutment treated by anodic oxidation [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2019; 121(1): 156-165
Effect of alkaline peroxides on the surface of cobalt chrome alloy: an in vitro study [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2019; 28(1): e377-e341
Evaluation of interactions of surface fluorides on nickel-chromium and casted titanium alloys: an in vitro study	J Contemp Dent Pract 2018; 19(12): 1506-1511
New thermomechanically treated NiTi alloys - a review	Int Endod J 2018; 51(10): 1088-1103
Evaluation of the load system produced by a single intrusion bend in a maxillary lateral incisor bracket with different alloys	Angle Orthod 2018; 88(5): 611-616
Nonprecious alloy vs precious alloy telescopic crown-retained removable partial dentures: survival and maintenance needs [can be accessed on DOSS free by logging in on this page]	Int J Prosthodont 2018; 31(5): 459-464
Effect of layered manufacturing techniques, alloy powders, and layer thickness on mechanical properties of Co-Cr dental alloys [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2018; 120(5): 762-770
In vitro and in vivo studies of anti-bacterial copper-bearing titanium alloy for dental application [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2018; 34(8): 1112-1126
Assessment of corrosion resistance of cast cobalt- and nickel-chromium dental alloys in acidic environments	J Appl Biomater Funct Mater 2018; 16(1): 47-54



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<p>Potentiodynamic polarization study of the corrosion behavior of palladium-silver dental alloys [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	J Prosthet Dent 2018; 119(4): 650-656
<p>Osseointegration of titanium, titanium alloy and zirconia dental implants: current knowledge and open questions [can be accessed on DOSS free by logging in on this page]</p>	Perio 2000; 2017 73(1): 22-40
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<p>Development of binary and ternary titanium alloys for dental implants [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	Dent Mater 2017; 33(11): 1244-1257
<p>Corrosion behaviour of dental alloys used for retention elements in prosthodontics [can be accessed on DOSS free by logging in on this page]</p>	Eur J Oral Sci 2016; 124: 287-294
<p>Effects of lipopolysaccharides on the corrosion behaviour of Ni-Cr and Co-Cr alloys [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	J Prosthet Dent 2016; 116: 286-291
<p>In vitro cytotoxicity of metallic ions released from dental alloys [can be accessed on DOSS free by logging in on this page]</p>	Odontol 2016; 104: 136-142
<p>Influence of Recasting on the Quality of Dental Alloys: A systematic Review [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	J Prosthet Dent 2015; 114(2):205-211
<p>Effect of oxidation heat treatment on the bond strength between a ceramic and cast and milled cobalt-chromium alloys [can be accessed on DOSS free by logging in on this page]</p>	Eur J Oral Sci 2015; 297-304
<p>Adhesive performance of silver-palladium-copper-gold alloy and component metals bonded with organic sulfur-based priming agents and a Tri-<i>n</i>-butylborane initiated luting material [can be accessed on DOSS free by logging in on this page]</p>	Acta Odontologica Scand 2013; (71): 196-204
<p>Evaluation of roughness and micromorphology of epoxy paint on cobalt-chromium alloy before and after thermal cycling</p>	Braz Oral Res 2013; 27 (2): 176-182
<p>Effect of mold temperature on the microstructure and corrosion properties of a 14-karat gold alloy</p>	Dent Mater J 2012; 31 (4): 669-673
<p>Effect of sandblasting conditions on alumina retention in representative dental alloys</p>	Dent Mater J 2012; 31 (2): 249-255
<p>Effect of (-)-epigallocatechin gallate on electrochemical behaviour and surface film composition of Co-Cr Alloy used in dental restorations</p>	Dent Mater J 2012; 31 (4): 564-574
<p>Shear bond strength between Ni-Cr alloy bonded to a ceramic substrate [can be accessed on DOSS free by logging in on this page]</p>	Gerodontol 2012; (29): e909-e913



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Effect of whitening toothpaste on titanium and titanium alloy surfaces	Braz Oral Res 2012; 26 (6): 498-504
Interfacial shear bond strength between different base metal alloys and five low fusing feldspathic ceramic systems	Dent Mater J 2012; 31 (3): 333-337
Elemental release from CoCr and NiCr alloys containing palladium [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2012; (21): 88-93
A comparison of space closure rates between preactivated nickel-titanium and titanium-molybdenum alloy T-Loops: a randomized controlled clinical trial	Eur J Orthod 2012; (34): 33-38
Hardness and microstructure of Ti-15Mo-5Zr-3Al alloy for dental casting [can be accessed on DOSS free by logging in on this page]	Acta Odontologica Scand 2011; (69): 328-333
Ion release from metal ceramic alloys in three different media	Dent Mater J 2011; 30 (5): 598-610
In vitro biocompatibility of novel Au-Pt-based metal-ceramic alloy	J Oral Sci 2011; 53 (3): 387-391
Cellular response of titanium and its alloys as implants [Accessible from the link on this page]	J Oral Implantol 2011; 37 (4): 387-399
Influence of the lubricant and the alloy on the wear behaviour of attachments [can be accessed on DOSS free by logging in on this page]	Gerodontology 2011; (28): 221-226
Corrosion resistance evaluation of Pd-free Ag-Au-Pt-Cu dental alloys	Dent Mater J 2011; 30 (2): 136-142
Corrosion of CoCr and NiCr dental alloys with palladium (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2010; (105): 35-43
Bacterial adhesion and colonization differences between zirconium oxide and titanium alloys: An in vivo human study [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2011; (26): 101-107
The effect of disinfecting solutions on bending properties and weight changes of Co-Cr and Ti-6Al-4Nb alloys for dentures [can be accessed on DOSS free by logging in on this page]	Odontology 2011; (99): 77-82
Mechanical properties, fracture surface characterization, and microstructural analysis of six noble dental casting alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2011; (105): 394-402
Study of corrosion of combinations of titanium/Ti-6Al-4V implants and dental alloys	Dent Mater J 2010; 29 (5): 542-553
Corrosion behavior of as-received and previously cast type III gold alloy [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2010; (19): 194-199
Tarnish resistance evaluation of experimental Pd-Free Ag-Au-Pt-Cu dental alloys	Dent Mater J 2010; 29 (3): 330-335
Corrosion properties of Ag-Au-Cu-Pd system alloys containing indium	Bull Tokyo Dent Coll 2010; 51 (1): 7-13



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Effect of chromium content on mechanical properties of casting Ti-Cr alloys	Dent Mater J 2010; 29 (5): 570-574
Cytotoxicity of titanium and titanium alloying elements [can be accessed on DOSS free by logging in on this page]	J Dent Res 2010; (89): 493
Metal-ceramic alloys in dentistry: a review [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2009; (18): 188-194
Grindability of cast Ti-6Al-4V alloyed with copper [can be accessed on DOSS free by logging in on this page]	J Prosthodont 2009; (18): 152-155
Brushing-induced surface roughness of nickel-, palladium-, and gold-based dental casting alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2008 (99) 455-460
Shear bond strength of a ceramic to CO-CR alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2008 (99) 54-59
A 3-year longitudinal, controlled clinical study of a gallium-based restorative material [Log in to the BDA home page and follow the link to the BDJ to access]	Br Dent J 2005 (198) 355-359
The effects of recasting on the cytotoxicity of base metal alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2005 (93) 158-163
Mechanical and histologic examination of titanium alloy material treated by sandblasting and anodic oxidation [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2005 (20) 48-53
Static immersion and irritation tests of dental metal-ceramic alloys [can be accessed on DOSS free by logging in on this page]	Eur J Oral Sci 2005 (113) 83-89
The effect of recasting on corrosion of a silver-palladium alloy (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Dental Mater 2004 (20) 352-357
Corrosion-fatigue of laser-repaired commercially pure titanium and Ti-6Al-4V alloy under different test environments [can be accessed on DOSS free by logging in on this page]	J Oral Rehabil 2004 (31) 1029-1034
Mechanical properties of cast Ti-6Al-4V-Xcu alloys [can be accessed on DOSS free by logging in on this page]	J Oral Rehabil 2004 (31) 1109-1114
Optimizing mechanical properties of laser-welded gold alloy through heat treatment (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Dent Mater 2004 <u>20</u> 630-4
The effect of recasting on corrosion of a silver-palladium alloy (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Dent Mater 2004 <u>20</u> 352-7
Effect of heat treatments on machinability of gold alloy with age-hardenability at intraoral temperature (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Dent 2004 <u>32</u> 9-15
Casting alloys [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Clin N Am 2004 <u>48</u> 499-512



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Characterization and cytotoxicity of ions released from stainless steel and nickel-titanium orthodontic alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Am J Orthod Dentofac Orthoped 2004 <u>125</u> 24-9
Effect of alloy type and surface conditioning on roughness and bond strength of metal brackets (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Am J Orthod Dentofac Orthoped 2004 <u>125</u> 42-50
Effect of different high-palladium metal-ceramic alloys on the color of opaque and dentin porcelain (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2004 <u>92</u> 170-8
Tensile properties and hardness of Cast Fe-Pt magnetic alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2004 <u>92</u> 278-82
Metal content of biopsies adjacent to dental cast alloys [can be accessed on DOSS free by logging in on this page]	Clin Oral Invest 2003 <u>7</u> 92-7
Bond strength of fibre-reinforced composite to the metal surface [can be accessed on DOSS free by logging in on this page]	J Oral Rehab 2003 <u>30</u> 887-92
Thermal expansion and microstructural analysis of experimental metal-ceramic titanium alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2003 <u>90</u> 332-8
Fatigue resistance of cast occlusal rests using Co-Cr and Ag-Pd-Cu-Au alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2003 <u>90</u> 261-9
An in vitro comparison of tensile bond strengths of noble and base metal alloys to enamel (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2003 <u>90</u> 175-83
Effect of toothbrushing on the toxicity of casting alloys (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2002 87(1) 94-98
In vivo aging of orthodontic alloys: implications for corrosion potential, nickel release, and biocompatibility	Angle Orthodont 2002 72(3) 222-237
Biological interactions of dental cast alloys with oral tissues (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Dent Mater 2002 (18) 396-406
A comparison of the mechanical properties of a gallium-based alloy with a spherical high-copper amalgam (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Dent Mater 2001 <u>17</u> 142-148
Pseudoelasticity and thermoelasticity of nickel-titanium alloys: a clinically oriented review. Part I: Temperature transitional ranges (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Am J Orthod Dentofacial Orthop 2001 <u>119</u> 587-593
Pseudoelasticity and thermoelasticity of nickel-titanium alloys: a clinically oriented review. Part II: Deactivation Forces (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Am J Orthod Dentofacial Orthop 2001 <u>119</u> 594-603
Galvanic corrosion of selected dental alloys [can be accessed on DOSS free by logging in on this page]	J Oral Rehab 2001 <u>28</u> 212-219



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An overview of nickel-titanium alloys used in dentistry [can be accessed on DOSS free by logging in on this page]	Int Endodont J 2000 33 297-310
In vitro evaluation of the biocompatibility of dental alloys: fibronectin expression patterns and relationships to cellular proliferation rates [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2000 <u>31</u> 741-747
Dental post-operative sensitivity associated with a gallium-based restorative material [Log in to the BDA home page and follow the link to the BDJ to access]	Br Dent J 2000 <u>188</u> 310-313
Clinical evaluation of resin-bonded gold alloy veneers (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2000 <u>83</u> 294-300
Clinical evaluation and microstructural analysis of a direct placement gallium restorative alloy (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Dent 2000 <u>28</u> 123-9