

PEEK Dental Implants: A Review of the Literature

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Severe infectious complications after PEEK-derived implant placement: Report of three cases. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2014, 26, 477-482.	0.2	38
2	Physical modification of polyetheretherketone for orthopedic implants. Frontiers of Materials Science, 2014, 8, 313-324.	1.1	21
3	Tailoring surface nanostructures on polyaryletherketones for load-bearing implants. European Journal of Nanomedicine, 2014, 6, .	0.6	6
4	The interaction of adipose-derived human mesenchymal stem cells and polyether ether ketone. Clinical Hemorheology and Microcirculation, 2015, 61, 301-321.	0.9	11
5	Analysis of the Feeding System in the Injection Process of Peek in Fixed Partial Dentures. Procedia Engineering, 2015, 132, 1021-1028.	1.2	4
6	Effects of Different pH-Values on the Nanomechanical Surface Properties of PEEK and CFR-PEEK Compared to Dental Resin-Based Materials. Materials, 2015, 8, 4751-4767.	1.3	34
7	Nanomodified Peek Dental Implants: Bioactive Composites and Surface Modificationâ€”A Review. International Journal of Dentistry, 2015, 2015, 1-7.	0.5	114
8	Modern Approaches in Choosing Materials for Implant Supported Prosthesis. Key Engineering Materials, 2015, 638, 243-248.	0.4	0
9	Use of polyetheretherketone (PEEK) in orbital floor fracture reconstruction â€” A case for concern. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2015, 27, 536-539.	0.2	8
10	Plasma-sprayed titanium coating to polyetheretherketone improves the bone-implant interface. Spine Journal, 2015, 15, 1041-1049.	0.6	145
11	Shear bond strength between veneering composite and PEEK after different surface modifications. Clinical Oral Investigations, 2015, 19, 739-744.	1.4	77
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16	Implant Materials and Their Processing Technologies. , 2016, , .		11
17	Modified PEEK Resin Bonded Fixed Dental Prosthesis for a Young Cleft Lip and Palate Patient. Journal of Esthetic and Restorative Dentistry, 2016, 28, 201-207.	1.8	23
18	Titanium and hydroxyapatite coating of polyetheretherketone and carbon fiberâ€”reinforced polyetheretherketone: A pilot study in sheep. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1182-1191.	1.6	26

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20	Fracture load and failure types of different veneered polyetheretherketone fixed dental prostheses. Clinical Oral Investigations, 2016, 20, 2493-2500.	1.4	38
22	Biomaterials and Medical Devices. Advanced Structured Materials, 2016, , .	0.3	15
23	Biomaterials in Orthopaedics. Advanced Structured Materials, 2016, , 161-181.	0.3	36
24	Modified PEEK resin-bonded fixed dental prosthesis as an interim restoration after implant placement. Journal of Prosthetic Dentistry, 2016, 116, 637-641.	1.1	57
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57	Effect of different restorative crown and customized abutment materials on stress distribution in single implants and peripheral bone: A three-dimensional finite element analysis study. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 437-445.	1.1	82
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71	Polymer coatings based on sulfonated-poly-ether-ether-ketone films for implant dentistry applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 132.	1.7	14
72	Enhancement of the Mechanical Properties of Hydroxyapatite/Sulphonated Poly Ether Ether Ketone Treated Layer for Orthopaedic and Dental Implant Application. <i>International Journal of Biomaterials</i> , 2018, 2018, 1-9.	1.1	6
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76	General review of titanium toxicity. <i>International Journal of Implant Dentistry</i> , 2019, 5, 10.	1.1	240
77	Cytocompatibility of Titanium, Zirconia and Modified PEEK after Surface Treatment Using UV Light or Non-Thermal Plasma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5596.	1.8	41
78	The application of polyetheretherketone (PEEK) implants in cranioplasty. <i>Brain Research Bulletin</i> , 2019, 153, 143-149.	1.4	83
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80	Relative effects of age on implant integration in a rat model: A longitudinal in vivo microct study. <i>Journal of Orthopaedic Research</i> , 2019, 37, 541-552.	1.2	7
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83	Three-Dimensional Custom-Root Replicate Tooth Dental Implants. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2019, 31, 489-496.	0.4	15
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88	Carbon Fiber Reinforced PEEK Composites Based on 3D-Printing Technology for Orthopedic and Dental Applications. <i>Journal of Clinical Medicine</i> , 2019, 8, 240.	1.0	221
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90	Temporal Hollowing Augmentation With Polyetheretherketone Patient-Specific Implant. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 2131-2133.	0.3	6
91	Effect of laser groove treatment on shear bond strength of resin-based luting agent to polyetheretherketone (PEEK). <i>Journal of Prosthodontic Research</i> , 2019, 63, 52-57.	1.1	37
92	Torsional Friction Behavior of Contact Interface Between PEEK and CoCrMo in Calf Serum. <i>Journal of Tribology</i> , 2019, 141, .	1.0	6

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94	Use of High Performance Polymers as Dental Implant Abutments and Frameworks: A Case Series Report. <i>Journal of Prosthodontics</i> , 2019, 28, 365-372.	1.7	51
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128	Plasma-activated interfaces for biomedical engineering. <i>Bioactive Materials</i> , 2021, 6, 2134-2143.	8.6	17

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130	Arthroscopic Suture Anchor Design Finite Element Study. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2021, 9, 562-566.	0.1	0
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136	Bioactive-Enhanced Polyetheretherketone Dental Implant Materials: Mechanical Characterization and Cellular Responses. <i>Journal of Oral Implantology</i> , 2021, 47, 9-17.	0.4	14
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142	Stress Distribution Analysis at the Bone-Implant Interface Using Four Different Superstructure Materials in an Implant-retained Mandibular Overdenture: A Photoelastic Study. <i>International Journal of Prosthodontics and Restorative Dentistry</i> , 2019, 9, 43-46.	0.1	0
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145	MECHANICAL AND TRIBOLOGICAL ANALYSIS OF MONOLITH AND COATING POLYETHERETHERKETONE. <i>Tribologia</i> , 2019, 286, 73-86.	0.0	1
146	Study of the distribution of internal stresses in prototype dentures supported by isoelastic dental implants and teeth. <i>Parodontologiya</i> , 2019, 24, 207-211.	0.1	1
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151	Accurate reconstruction of bone defects in orbitalâ€“maxillaryâ€“zygomatic (OMZ) complex with polyetheretherketone (PEEK). Journal of Plastic, Reconstructive and Aesthetic Surgery, 2022, 75, 1750-1757.	0.5	11
152	Marginal Accuracy and Fracture Resistance of Posterior Crowns Fabricated from CAD/CAM PEEK Cores Veneered with HIPC or Nanohybrid Conventional Composite. Egyptian Dental Journal, 2020, 66, 2541-2552.	0.1	6
153	Evaluation of the effects of different surface modification methods on the bond strength of high-performance polymers and resin matrix ceramics. Clinical Oral Investigations, 2022, 26, 3781-3790.	1.4	4
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