

KEY WORDS

Acetabular: 3, 47, 65, 67, 68, 82

Additive: 7, 47, 59, 60, 62, 63, 85, 115, 119

Anatomy: 87

Anchor: 71, 77, 90, 167,

Bar: 27, 39, 40, 41, 47, 50, 63, 76, 121, 122, 124, 126, 136, 138, 183, 184

Billet: 41, 43, 47, 122, 135

Biocompatibility: 34, 36, 44, 45, 53, 55, 65, 66, 71, 76, 77, 95, 97, 137, 138, 156, 178

Bioglass: 166

Biomaterial: 51, 74, 75, 80, 83, 85, 89, 190, 192

Body: 44, 53, 56, 72, 73, 159, 165, 168

Bone: 4, 36, 44, 55, 56, 68, 72, 94, 108, 127, 128, 131, 134, 136, 148, 149, 154, 155, 157, 158, 166, 181, 192

Cannulated: 121, 122, 124, 126, 136, 168

Carbide: 16, 17, 24, 123, 152

Carbon: 24, 35, 76, 94, 95, 96, 97, 152, 166, 167, 176

Cement: 3, 6, 68, 166, 167, 181

Ceramic: 4, 7, 65, 66, 67, 68, 69, 88, 106, 107, 132, 148, 151, 152, 179, 180, 192, 192

Chrome: 3, 92, 137, 157, 161, 164

Coating: 2, 89, 148, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 173, 186

Cobalt: 3, 32, 34, 35, 36, 44, 49, 60, 62, 63, 92, 127, 137, 141, 157, 161, 164, 184, 185, 186, 187

Composite: 65, 69, 76, 77, 93, 94, 95, 97, 98

Contract: 1, 5, 7, 8, 9, 10, 11, 74

Controlling: 2, 4, 74, 147

Corrosion: 4, 24, 27, 28, 34, 36, 44, 48, 123, 137, 153, 154, 155, 170, 171, 173

Cup: 3, 82, 109, 118

Decontamination: 4, 101, 159, 173

Degradation: 51, 72, 73, 74, 99, 100, 102, 165, 166.

Dental: 3, 37, 56, 62, 77, 98, 114, 115, 131, 148, 149, 164

Drilling: 121, 122, 132, 136, 138, 143, 154

Elastic: 14, 44, 55, 56, 88, 171

Elongation: 13, 14, 15, 22, 45, 51, 78, 119, 171

Extrusion: 41, 74, 76, 83, 100, 104, 123, 126

Fatigue: 44, 45, 55, 57, 87, 119, 162, 175, 177

Femoral: 65, 67, 68, 109, 121, 143, 178

Finishing: 107, 111, 112, 114, 116, 141, 143, 145, 146, 148, 149, 150, 170, 171

Fixation: 121, 136, 157, 158, 177, 184, 186

Forging: 2, 39, 40, 41, 47, 50, 63, 111, 122

Fracture: 5, 65, 67, 69, 72, 96, 121, 127, 136, 177

Grinding: 66, 107, 116, 134, 141, 142, 143, 144, 146, 147, 149, 150

Hardness: 15, 16, 18, 31, 110, 151, 152, 153, 155, 171

Heat treatment: 16, 24, 26, 47, 66, 84, 107, 111, 170, 172

Hip: 3, 44, 57, 59, 62, 63, 65, 66, 68, 69, 82, 100, 107, 127, 143, 146, 148, 157, 174, 177, 178

Humeral: 100

Implant: 1, 3, 4, 5, 6, 44, 46, 49, 63, 72, 73, 82, 83, 87, 88, 115, 117, 121, 124, 128, 138, 141, 145, 150, 157, 158, 159, 166, 169, 175, 177, 178, 179, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 192

Ingot: 36, 41, 42

Injection: 59, 60, 62, 74, 76, 97, 108, 165, 166, 167, 186, 189, 190

Instrument: 1, 6, 8, 11, 25, 29, 49, 50, 53, 56, 95, 98, 99, 108, 109, 114, 117, 122, 125, 126, 154, 155, 168, 169, 170, 171, 172, 173, 174, 176, 179, 190

Joint: 3, 40, 48, 81, 82, 85, 90, 118, 131, 146, 148, 178

Knee: 3, 44, 66, 68, 69, 82, 100, 109, 141, 142, 143, 144, 146, 147, 148, 174

Layer: 24, 34, 36, 53, 62, 113, 116, 118, 152, 153, 158, 159, 173

Machining: 2, 8, 26, 41, 59, 63, 65, 66, 76, 89, 99, 101, 103, 104, 107, 109, 116, 127, 128, 129, 131, 132, 136, 137, 138, 139, 171

Magnesium: 51, 52

Manufacturing: 2, 5, 7, 8, 9, 10, 11, 40, 49, 52, 55, 59, 60, 62, 63, 65, 71, 74, 75, 83, 90, 96, 97, 98, 107, 109, 114, 115, 116, 117, 118, 119, 128, 129, 130, 131, 139, 144, 150, 157, 159, 166, 169, 178

Mechanical: 4, 15, 16, 30, 37, 45, 51, 54, 55, 57, 65, 69, 72, 73, 75, 76, 77, 84, 87, 89, 91, 94, 95, 97, 102, 103, 110, 112, 116, 118, 119, 153, 159, 162, 165, 170, 171, 172

Medical: 12, 25, 36, 40, 44, 45, 46, 48, 49, 53, 54, 56, 58, 59, 63, 65, 71, 75, 80, 85, 87, 90, 91, 94, 95, 96, 98, 104, 108, 109, 114, 116, 117, 118, 119, 127, 128, 129, 130, 131, 132, 136, 138, 143, 144, 148, 151, 154, 156, 174, 178, 179, 180, 181, 182, 190, 191, 192, 194

Melting: 32, 36, 39, 41, 49, 60, 62, 106, 115, 116, 118, 168

Metal: 3, 4, 16, 18, 22, 23, 24, 36, 41, 59, 60, 61, 62, 63, 65, 67, 87, 88, 95, 100, 107, 105, 106, 115, 116, 119, 159, 168, 186, 189, 190

Metallurgical: 16, 26, 39, 40, 108, 109, 175, 180, 183

Milling: 107, 115, 127, 128, 129, 132, 134, 138, 139, 142, 143

Molding: 62, 74, 83, 97, 165, 166, 167, 181, 182

Nail: 121, 122, 126

Nickel: 39, 53, 55, 60, 105, 124, 154, 183, 184, 185, 186, 187, 190, 191

Osteoconductive: 157, 158

Oxidation: 84, 113, 151, 152, 153, 155
Passivation: 113, 158, 172, 173
PEEK: 4, 7, 75, 76, 77, 78, 96, 97, 154, 166, 167, 181
Pin: 72, 108, 136, 167
PLA: 7, 166, 167
Plasma : 151, 153, 157, 158, 159, 160, 161, 164, 175, 193
Plastic: 14, 22, 116, 147, 148, 155
Plate: 37, 41, 43, 47, 72, 74, 76, 77, 82, 100, 118, 27, 148, 149, 167, 186
Plug: 123, 167
PMMA: 157, 166
Polishing: 22, 55, 66, 107, 112, 116, 141, 142, 146, 148, 149, 150, 172
Polyethylene: 81, 82, 84, 88, 181, 182
Polymer: 62, 72, 73, 74, 75, 76, 77, 80, 81, 87, 93, 94, 166, 181
Powder: 36, 59, 60, 62, 63, 66, 83, 116, 118, 139, 148, 159, 160, 161, 181, 182, 186
Prosthesis: 109, 110, 157, 158, 177
Prostheses: 44, 68, 77, 118, 157, 178
Rasp: 29, 143, 144
Reconstruction: 5, 37, 49, 77, 81, 82, 85, 90, 111, 167, 177
Resistance: 4, 15, 24, 27, 28, 34, 44, 53, 57, 65, 66, 69, 77, 81, 82, 83, 84, 88, 93, 95, 97, 99, 100, 192, 103, 113, 137, 151, 152, 153, 154, 155, 162, 170, 171, 172, 173
Resorbable: 71, 72, 74, 88
Rigidity: 93
Screw: 71, 121, 136, 165, 167
Shape memory: 53, 54, 55, 57, 58, 124, 190, 191
Silicon: 108, 176
Spine: 90, 164, 174
Stainless: 3, 4, 18, 24, 25, 27, 29, 30, 31, 32, 36, 44, 48, 49, 50, 62,

88, 94, 95, 107, 108, 109, 112, 116, 124, 126, 132, 137, 138, 148, 149, 157, 168, 172, 183, 184, 190

Steel: 3, 16, 24, 36, 44, 88, 94, 95, 107, 108, 109, 116, 148, 149, 155, 171, 172, 183, 184

Stem: 3, 4, 177

Sterilization: 2, 7, 74, 81, 95, 97, 99, 100, 102, 103, 169, 172, 175

Strength: 13, 14, 15, 16, 33, 37, 44, 45, 48, 51, 59, 65, 66, 67, 72, 73, 78, 81, 82, 84, 87, 111, 119, 137, 138, 159, 162, 165, 166, 170, 171, 177

Surface: 4, 16, 18, 23, 24, 36, 53, 57, 66, 99, 101, 107, 110, 111, 112, 113, 117, 122, 123, 125, 127, 128, 129, 145, 146, 148, 149, 150, 152, 153, 156, 157, 158, 159, 165, 172, 173, 176, 177, 191

Surgeon: 1, 3, 4, 96, 98, 121, 175

Tensile: 13, 14, 45, 51, 78, 111, 119, 162, 165, 167

Test: 13, 14, 15, 18, 57, 74, 110, 156, 161, 162, 178, 191, 193

Testing: 2, 47, 55, 74, 84, 160, 164, 176, 177, 179, 182, 191, 193

Textile: 87, 88, 91, 194

Tibia: 82, 121, 143

Tissue: 71, 72, 73, 90, 94, 97, 179

Titanium: 3, 4, 26, 32, 36, 39, 40, 41, 43, 44, 46, 47, 50, 53, 55, 56, 61, 62, 67, 88, 94, 95, 106, 108, 109, 112, 113, 116, 117, 124, 126, 127, 132, 134, 137, 138, 148, 149, 152, 155, 157, 158, 159, 161, 163, 164, 168, 176, 187, 188, 189, 109, 191

Trauma: 37, 49, 51, 71, 109, 118, 121, 167, 174, 179

Turning: 27, 103, 106, 115, 122, 131, 134, 136, 138, 139

UHMW-PE: 81, 82, 83, 84, 85

Vacuum: 24, 32, 36, 40, 60, 106, 152, 159

Whirling: 134, 135, 138

Wire: 35, 41, 46, 47, 54, 55, 56, 57, 121, 183, 184, 185, 186