# **Supplementary table 1**

|  |  |  |
| --- | --- | --- |
| **Topic** | **Count** | **Name** |
| -1 | 16326 | -1\_implant\_implants\_bone\_titanium |
| 0 | 783 | 0\_mesenchymal\_mesenchymal stem\_mesenchymal stem cells\_human mesenchymal |
| 1 | 754 | 1\_hydroxyapatite\_nano hydroxyapatite\_hydroxyapatite scaffolds\_nano |
| 2 | 739 | 2\_glass\_bioactive glass\_bioactive\_mesoporous |
| 3 | 736 | 3\_sinus\_floor\_maxillary\_elevation |
| 4 | 631 | 4\_hydrogels\_hydrogel\_injectable\_hydrogels bone |
| 5 | 548 | 5\_fracture\_fracture healing\_osteoclastogenesis\_osteoporosis |
| 6 | 537 | 6\_adipose\_adipose derived\_adipose derived stem\_human adipose |
| 7 | 507 | 7\_platelet\_platelet rich\_rich\_rich fibrin |
| 8 | 496 | 8\_morphogenetic\_bone morphogenetic\_bmp\_morphogenetic proteins |
| 9 | 435 | 9\_electrospun\_nanofibers\_fibers\_nanofibrous |
| 10 | 409 | 10\_3d\_printed\_3d printed\_printing |
| 11 | 351 | 11\_periodontal ligament\_ligament\_periodontal ligament stem\_ligament stem |
| 12 | 340 | 12\_growth\_growth factor\_growth factors\_factor |
| 13 | 326 | 13\_spinal\_cord\_injury\_recovery |
| 14 | 319 | 14\_alveolar\_alveolar ridge\_ridge\_ridge preservation |
| 15 | 312 | 15\_fusion\_spinal fusion\_lumbar\_spine |
| 16 | 287 | 16\_craniofacial\_cranial\_craniofacial bone\_cranial defects |
| 17 | 284 | 17\_silk\_silk fibroin\_fibroin\_scaffolds |
| 18 | 283 | 18\_cement\_phosphate cement\_cements\_calcium phosphate cement |
| 19 | 275 | 19\_membranes\_guided\_guided bone\_guided bone regeneration |
| 20 | 275 | 20\_liver\_hepatic\_fibrosis\_hepatocyte |
| 21 | 273 | 21\_muscle\_skeletal muscle\_skeletal\_muscle regeneration |
| 22 | 260 | 22\_titanium\_titanium implants\_titanium implant\_osseointegration |
| 23 | 254 | 23\_pulp\_dental pulp\_pulp stem\_dental pulp stem |
| 24 | 252 | 24\_osseointegration\_implant osseointegration\_drilling\_implant |
| 25 | 239 | 25\_endothelial\_endothelial progenitor\_endothelial progenitor cells\_progenitor |
| 26 | 236 | 26\_tendon\_tendon bone\_tendon healing\_bone tendon |
| 27 | 231 | 27\_chitosan\_chitosan based\_chitosan scaffolds\_bone tissue engineering |
| 28 | 228 | 28\_scaffolds bone\_scaffolds\_bone tissue engineering\_scaffold |
| 29 | 228 | 29\_ridge augmentation\_ridge\_augmentation\_vertical |
| 30 | 227 | 30\_hydroxyapatite coated\_hydroxyapatite\_coated\_hydroxyapatite coating |
| 31 | 225 | 31\_periodontitis\_periodontal\_aggressive periodontitis\_aggressive |
| 32 | 215 | 32\_calvaria\_calvarial\_rat calvaria\_calvarial defects |
| 33 | 215 | 33\_ultrasound\_low intensity\_intensity\_pulsed |
| 34 | 211 | 34\_chondrogenic\_chondrogenic differentiation\_chondrogenesis\_chondrocytes |
| 35 | 209 | 35\_enamel\_enamel matrix\_derivative\_enamel matrix derivative |
| 36 | 208 | 36\_periosteum\_periosteal\_periosteum derived\_pericytes |
| 37 | 205 | 37\_nerve\_peripheral\_schwann\_schwann cells |
| 38 | 204 | 38\_myocardial\_heart\_cardiac\_bone marrow cells |
| 39 | 203 | 39\_renal\_kidney\_acute\_tubular |
| 40 | 201 | 40\_stem cell derived\_cell derived\_derived\_promote |
| 41 | 200 | 41\_calcium phosphate\_calcium\_phosphate\_ceramics |
| 42 | 187 | 42\_skin\_wound\_wound healing\_wounds |
| 43 | 181 | 43\_magnesium\_mg\_alloy\_degradation |
| 44 | 181 | 44\_hip\_hip arthroplasty\_total hip\_arthroplasty |
| 45 | 178 | 45\_osseointegrated\_amputation\_prostheses\_prosthesis |
| 46 | 175 | 46\_graphene\_graphene oxide\_oxide\_reduced |
| 47 | 168 | 47\_titanium\_implants\_piece\_surface |
| 48 | 168 | 48\_hematopoietic\_hematopoietic stem\_hematopoietic stem cells\_hematopoietic stem cell |
| 49 | 164 | 49\_sockets\_extraction sockets\_extraction\_socket |
| 50 | 163 | 50\_dogs\_study dogs\_dog\_experimental study dogs |
| 51 | 162 | 51\_cardiac\_myocardial\_mesenchymal stem cells\_mesenchymal stem |
| 52 | 158 | 52\_mir\_microrna\_targeting\_21 |
| 53 | 158 | 53\_diabetes\_type diabetes\_diabetic\_diabetes mellitus |
| 54 | 157 | 54\_skeletal stem\_skeletal stem cells\_skeletal\_stem cells bone |
| 55 | 154 | 55\_polycaprolactone\_caprolactone\_epsilon\_epsilon caprolactone |
| 56 | 151 | 56\_cartilage\_cartilage regeneration\_articular\_articular cartilage |
| 57 | 151 | 57\_zebrafish\_regenerating\_bmp signaling\_skeletal |
| 58 | 148 | 58\_peri implantitis\_implantitis\_peri\_surgical |
| 59 | 146 | 59\_cartilage\_articular cartilage\_articular\_cartilage repair |
| 60 | 146 | 60\_distraction\_distraction osteogenesis\_osteogenesis\_consolidation |
| 61 | 144 | 61\_lung\_epithelial\_fibrosis\_epithelium |
| 62 | 142 | 62\_cardiac\_heart\_cardiovascular\_stem cell therapy |
| 63 | 140 | 63\_laser\_low level\_level laser\_low level laser |
| 64 | 140 | 64\_edentulous\_immediate\_maxilla\_loading |
| 65 | 138 | 65\_radiation\_irradiation\_syndrome\_hematopoietic |
| 66 | 136 | 66\_ligament\_anterior\_reconstruction\_tendon |
| 67 | 133 | 67\_bone graft\_graft\_substitutes\_graft substitutes |
| 68 | 133 | 68\_irradiated\_radiation\_irradiation\_cancer |
| 69 | 131 | 69\_bone healing\_defect model\_healing\_healing model |
| 70 | 131 | 70\_porous titanium\_ti6al4v\_porous\_ti |
| 71 | 130 | 71\_intestinal\_epithelial\_mucosal\_epithelium |
| 72 | 129 | 72\_neural\_neuronal\_neurotrophic\_nervous |
| 73 | 129 | 73\_distraction\_distraction osteogenesis\_transport\_mandibular distraction |
| 74 | 128 | 74\_aid\_osseointegrated\_complications\_wide |
| 75 | 126 | 75\_hormone\_parathyroid hormone\_parathyroid\_intermittent |
| 76 | 123 | 76\_gene therapy\_gene\_gene delivery\_therapy bone |
| 77 | 119 | 77\_periodontal tissue\_periodontal\_periodontal regeneration\_periodontal tissue regeneration |
| 78 | 116 | 78\_vesicles\_extracellular vesicles\_extracellular\_derived extracellular vesicles |
| 79 | 114 | 79\_tendon\_tendon bone\_suture\_tendon bone healing |
| 80 | 114 | 80\_adult stem\_adult stem cells\_adult\_stem cell |
| 81 | 113 | 81\_intrabony\_intrabony defects\_infrabony\_infrabony defects |
| 82 | 111 | 82\_strontium\_silicate\_osteoporotic\_bioceramic |
| 83 | 107 | 83\_vascularized\_vascularized bone\_vascularization\_engineered bone |
| 84 | 107 | 84\_nanotechnology\_nanoparticles bone\_nanoparticles\_nanomaterials |
| 85 | 107 | 85\_frequency\_resonance\_stability\_implant stability |
| 86 | 106 | 86\_porous\_porous scaffolds\_porous scaffold\_pore |
| 87 | 106 | 87\_brain\_ischemic\_ischemia\_cell transplantation |
| 88 | 106 | 88\_alginate\_hydrogels\_beads\_gelatin |
| 89 | 106 | 89\_arthritis\_rheumatoid\_osteoarthritis\_rheumatoid arthritis |
| 90 | 103 | 90\_liver\_hepatic\_mesenchymal stem\_fibrosis |
| 91 | 103 | 91\_magnetic\_fe\_field\_static |
| 92 | 102 | 92\_apatite\_carbonate\_nanocomposites\_poly |
| 93 | 102 | 93\_bone tissue engineering\_tissue engineering\_engineering\_engineering bone |
| 94 | 101 | 94\_osteomyelitis\_antibiotic\_vancomycin\_aureus |
| 95 | 101 | 95\_titanium\_titanium surface\_titanium surfaces\_surfaces |
| 96 | 101 | 96\_osteochondral\_osteochondral tissue\_osteochondral defect\_multilayered |
| 97 | 101 | 97\_tricalcium phosphate\_tricalcium\_beta tricalcium phosphate\_beta tricalcium |
| 98 | 99 | 98\_osteoarthritis\_knee\_synovial\_intra articular |
| 99 | 97 | 99\_wnt\_wnt signaling\_signaling\_canonical |
| 100 | 97 | 100\_carbon\_carbon nanotubes\_nanotubes\_nanotube |
| 101 | 96 | 101\_study rats\_impact\_rats\_histometric |
| 102 | 91 | 102\_chitosan\_nano hydroxyapatite\_hydroxyapatite\_nano |
| 103 | 87 | 103\_diabetes\_diabetes mellitus\_mellitus\_diabetic |
| 104 | 86 | 104\_simvastatin\_local\_effect local\_topical |
| 105 | 85 | 105\_antibacterial\_titanium\_biofilm\_aureus |
| 106 | 84 | 106\_periodontitis\_experimental periodontitis\_inflammation\_bone loss |
| 107 | 83 | 107\_nerve\_facial\_peripheral\_recovery |
| 108 | 82 | 108\_biomaterials\_biomaterials bone\_biomaterials bone regeneration\_biomaterial |
| 109 | 81 | 109\_ct\_tomography\_computed tomography\_computed |
| 110 | 80 | 110\_dogs\_defects dogs\_periodontal\_wall |
| 111 | 80 | 111\_finite element\_finite\_finite element analysis\_element analysis |
| 112 | 79 | 112\_electromagnetic\_fields\_pulsed\_field |
| 113 | 78 | 113\_cleft\_alveolar\_secondary\_unilateral |
| 114 | 77 | 114\_single\_tooth\_supported\_anterior |
| 115 | 75 | 115\_femoral head\_head\_osteonecrosis\_femoral |
| 116 | 75 | 116\_cellulose\_bacterial cellulose\_bacterial\_carboxymethyl |
| 117 | 74 | 117\_alendronate\_local\_sodium\_rats |
| 118 | 73 | 118\_syndrome\_marrow derived stem\_bone marrow derived\_marrow derived |
| 119 | 73 | 119\_calvarial\_calvarial defects\_sized calvarial\_critical sized calvarial |
| 120 | 72 | 120\_composites\_nanocomposites\_composites bone\_polymers |
| 121 | 72 | 121\_interview\_retraction\_consensus\_conference |
| 122 | 71 | 122\_hypoxia\_inducible\_1alpha\_hypoxic |
| 123 | 71 | 123\_octacalcium phosphate\_octacalcium\_phosphate collagen\_phosphate |
| 124 | 69 | 124\_vitamin\_25\_deficiency\_1alpha |
| 125 | 69 | 125\_smooth\_muscle\_stem cell therapy\_injured |
| 126 | 68 | 126\_intrabony\_intrabony defects\_periodontal\_periodontal intrabony |
| 127 | 68 | 127\_orthodontic\_anchorage\_mini\_stability |
| 128 | 67 | 128\_bisphosphonate\_oral\_osseointegration dental implants\_locally |
| 129 | 67 | 129\_fibroblast growth factor\_fibroblast growth\_fibroblast\_periodontal |
| 130 | 67 | 130\_disc\_degeneration\_degenerated\_degenerative |
| 131 | 66 | 131\_zoledronic acid\_zoledronic\_acid\_local |
| 132 | 66 | 132\_dental stem\_dentistry\_dental stem cells\_dental |
| 133 | 65 | 133\_shock\_wave\_therapy\_waves |
| 134 | 65 | 134\_flap\_fibula\_free\_flaps |
| 135 | 64 | 135\_ceramic\_ceramics\_bioactive\_polymer |
| 136 | 64 | 136\_furcation\_furcation defects\_ii furcation\_ii furcation defects |
| 137 | 64 | 137\_hyaluronic acid\_hyaluronic\_hyaluronan\_acid |
| 138 | 63 | 138\_polarization\_macrophage\_macrophage polarization\_macrophages |
| 139 | 63 | 139\_mandibular\_mandible\_condyle\_mandibular defects |
| 140 | 63 | 140\_buccal\_cone beam\_dehiscence\_cone |
| 141 | 62 | 141\_piezoelectric\_electrical\_electrical stimulation\_stimulation |
| 142 | 62 | 142\_osteochondral\_lesions\_allograft\_arthroscopic |
| 143 | 61 | 143\_cartilage\_cartilage regeneration\_kartogenin\_hydrogel |
| 144 | 60 | 144\_engineering\_tissue engineering\_sheet\_cell sheet |
| 145 | 60 | 145\_lengthening\_limb\_intramedullary\_deformity |
| 146 | 60 | 146\_demineralized bone\_demineralized\_demineralized bone matrix\_bone matrix |
| 147 | 59 | 147\_maxillofacial\_oral\_oral surgery\_jaw |
| 148 | 59 | 148\_root\_coverage\_end\_canal |
| 149 | 59 | 149\_limb\_regenerating\_fgf\_skeletal regeneration |
| 150 | 58 | 150\_titanium mesh\_mesh\_customized\_titanium |
| 151 | 58 | 151\_dermal\_template\_foot\_wounds |
| 152 | 56 | 152\_distraction\_distraction osteogenesis\_alveolar\_osteogenesis |
| 153 | 56 | 153\_mandibular\_spontaneous\_mandible\_spontaneous bone |
| 154 | 56 | 154\_cementum\_cementoblast\_dentin\_protein |
| 155 | 56 | 155\_ankle\_arthroscopic\_joint\_foot |
| 156 | 55 | 156\_hair\_follicle\_dermal\_papilla |
| 157 | 55 | 157\_melatonin\_porcine bone\_topical\_healing dental |
| 158 | 55 | 158\_microrna\_mir\_21\_nanoparticles |
| 159 | 55 | 159\_osteosarcoma\_metastasis\_cancer\_stat3 |
| 160 | 55 | 160\_retained\_supporting\_mandibular\_supported |
| 161 | 55 | 161\_simvastatin\_release\_controlled release\_loaded |
| 162 | 54 | 162\_molar\_autotransplantation\_impacted\_molars |
| 163 | 54 | 163\_revision\_components\_component\_cementless |
| 164 | 54 | 164\_hydroxyapatite\_osteogenic differentiation mesenchymal\_differentiation mesenchymal stem\_mesenchymal stem |
| 165 | 53 | 165\_osseointegration\_19\_molecular\_consensus |
| 166 | 53 | 166\_repair regeneration\_synovial\_avascular\_massive |
| 167 | 53 | 167\_osteochondral\_osteochondral defect\_osteochondral tissue\_hydrogel |
| 168 | 53 | 168\_diabetes\_diabetic\_mellitus\_type diabetes |
| 169 | 53 | 169\_sponges\_sponge\_gelatin\_collagen sponge |
| 170 | 52 | 170\_calcium phosphate\_coatings\_calcium\_phosphate |
| 171 | 52 | 171\_cyst\_cystic\_jaw\_odontogenic |
| 172 | 52 | 172\_acute\_residual\_myeloid\_minimal |
| 173 | 51 | 173\_mesoporous silica\_silica\_mesoporous\_nanoparticles |
| 174 | 51 | 174\_mandibular\_recombinant human bone\_human bone morphogenetic\_mandibular defect |
| 175 | 51 | 175\_rnas\_rna\_long\_non |
| 176 | 50 | 176\_plga\_plla\_mg\_loaded |
| 177 | 50 | 177\_peptide\_self assembling\_assembling\_self |
| 178 | 50 | 178\_guided bone regeneration\_guided bone\_guided\_horizontal |
| 179 | 49 | 179\_dentin\_demineralized\_matrix\_matrix bone |
| 180 | 48 | 180\_mir\_periodontal ligament\_periodontal ligament stem\_ligament stem |
| 181 | 48 | 181\_plasma\_pressure\_cold\_plasma treatment |
| 182 | 48 | 182\_amputation\_mouse\_mammalian\_limb |
| 183 | 48 | 183\_polyetheretherketone\_enhanced osseointegration\_surface\_antibacterial |
| 184 | 47 | 184\_chitosan\_thermosensitive\_hydrogels\_chitosan based |
| 185 | 47 | 185\_heart\_cardiac\_myocardial\_regenerating |
| 186 | 47 | 186\_cartilage\_cartilage regeneration\_articular cartilage\_articular |
| 187 | 46 | 187\_component\_arthroplasty\_reverse\_central |
| 188 | 46 | 188\_red\_genes\_transcriptome\_mammalian |
| 189 | 45 | 189\_calcium sulfate\_sulfate\_calcium\_mineralized collagen |
| 190 | 44 | 190\_implant stability\_stability\_primary stability\_primary |
| 191 | 44 | 191\_degeneration\_epithelium\_damage\_diabetic |
| 192 | 44 | 192\_reconstitution\_allogeneic\_marrow transplantation\_transplantation |
| 193 | 44 | 193\_fibrosis\_epithelial\_epithelium\_defective |
| 194 | 43 | 194\_zinc\_zn\_alloy\_ca |
| 195 | 42 | 195\_epithelial\_epithelial cells\_postnatal\_reconstitution |
| 196 | 42 | 196\_photobiomodulation\_review vivo\_associated\_size defects |
| 197 | 42 | 197\_titanium mesh\_mesh\_alveolar ridge\_alveolar |
| 198 | 41 | 198\_temporomandibular\_temporomandibular joint\_joint\_disc |
| 199 | 40 | 199\_hedgehog\_signalling\_signaling\_available |
| 200 | 40 | 200\_umbilical cord\_umbilical\_cord\_human umbilical cord |
| 201 | 40 | 201\_marginal bone\_marginal\_bone level\_bone loss |
| 202 | 40 | 202\_calcium phosphate scaffolds\_phosphate scaffolds\_calcium phosphate\_calcium |
| 203 | 40 | 203\_atrophic\_mandible\_posterior\_iliac |
| 204 | 40 | 204\_retained\_craniofacial\_prostheses\_orbital |
| 205 | 39 | 205\_gelatin\_release\_microparticles\_core |
| 206 | 39 | 206\_fibrin\_fibrin glue\_glue\_fibrinogen |
| 207 | 38 | 207\_laser\_low level\_low level laser\_level laser |
| 208 | 38 | 208\_ovariectomized rats\_ovariectomized\_estrogen\_titanium implants |
| 209 | 37 | 209\_silver\_antibacterial\_nanoparticles\_antimicrobial |
| 210 | 37 | 210\_glycosaminoglycan\_mineralized collagen\_wistar rats\_wistar |
| 211 | 37 | 211\_heparin\_heparan sulfate\_conjugated\_heparan |
| 212 | 37 | 212\_failures\_immediate implant\_stage\_immediate implant placement |
| 213 | 36 | 213\_scaffolds tissue\_scaffolds tissue engineering\_scaffolds\_engineering regenerative medicine |
| 214 | 36 | 214\_mandibular\_mandibular bone\_mandibular defect\_adipose |
| 215 | 36 | 215\_furcation\_class ii\_ii\_class |
| 216 | 36 | 216\_bioprinting\_hydrogel\_laden\_printing |
| 217 | 36 | 217\_dentistry\_oral\_tooth\_dental tissue |
| 218 | 36 | 218\_granulocyte colony stimulating\_granulocyte colony\_colony stimulating factor\_colony stimulating |
| 219 | 35 | 219\_ear\_middle\_cell regeneration\_hair |
| 220 | 35 | 220\_bone marrow stromal\_marrow stromal\_marrow stromal cells\_stromal |
| 221 | 35 | 221\_silicate\_bioceramics\_silica\_calcium silicate |
| 222 | 35 | 222\_cartilage\_cartilage regeneration\_pluripotent stem\_pluripotent |
| 223 | 35 | 223\_angiogenesis\_angiogenesis bone\_angiogenesis osteogenesis\_osteogenesis angiogenesis |
| 224 | 35 | 224\_polycaprolactone\_caprolactone\_hydroxyapatite\_poly epsilon caprolactone |
| 225 | 34 | 225\_amniotic membrane\_amniotic\_amnion\_membrane |
| 226 | 34 | 226\_osteotomy\_tibial\_high\_medial |
| 227 | 34 | 227\_musculoskeletal\_musculoskeletal tissue\_medicine\_regenerative |
| 228 | 34 | 228\_liver\_macrophages\_macrophage\_hepatic |
| 229 | 33 | 229\_bone implant\_implant contact\_bone implant contact\_contact |
| 230 | 33 | 230\_disc\_degeneration\_genetic\_organ |
| 231 | 33 | 231\_osteomyelitis\_chronic\_treatment chronic\_antibiotic |
| 232 | 33 | 232\_extracellular matrix\_extracellular\_matrix\_derived extracellular matrix |
| 233 | 33 | 233\_infection\_related\_fracture\_fractures |
| 234 | 32 | 234\_odontogenic\_mandible\_central\_giant |
| 235 | 32 | 235\_organ\_making\_regenerative medicine\_regenerative |
| 236 | 32 | 236\_union\_unions\_non union\_non |
| 237 | 31 | 237\_ischemia\_limb\_mononuclear cell\_mononuclear |
| 238 | 31 | 238\_removal\_water\_adsorption\_additively manufactured |
| 239 | 31 | 239\_tantalum\_trabecular\_porous\_metal |
| 240 | 31 | 240\_heart\_failure\_stem cell therapy\_cell therapy |
| 241 | 31 | 241\_bioprinting\_cartilage\_printing\_3d |
| 242 | 30 | 242\_xenogeneic\_xenografts\_xenograft\_xenogeneic bone |
| 243 | 30 | 243\_beta tricalcium phosphate\_beta tricalcium\_tricalcium phosphate\_tricalcium |
| 244 | 30 | 244\_osteochondral\_endochondral\_osteochondral defect\_defects rabbits |
| 245 | 30 | 245\_alveolar bone\_alveolar\_alveolar bone regeneration\_human alveolar |
| 246 | 30 | 246\_mandibular distraction\_mandibular distraction osteogenesis\_distraction\_distraction osteogenesis |
| 247 | 29 | 247\_integrin\_ligands\_alpha\_beta1 |
| 248 | 29 | 248\_equine\_synovial\_fluid\_tendon |
| 249 | 29 | 249\_implant osseointegration\_systemic\_osseointegration\_drugs |
| 250 | 29 | 250\_macrophages\_monocyte\_macrophage\_monocytes |
| 251 | 28 | 251\_infrabony\_intrabony\_infrabony defects\_bio oss |
| 252 | 28 | 252\_wnt\_wnt signaling\_beta catenin\_catenin |
| 253 | 28 | 253\_membranes\_guided tissue regeneration\_guided tissue\_periodontal |
| 254 | 28 | 254\_fracture\_fracture healing\_fractures\_healing |
| 255 | 28 | 255\_bisphosphonate\_osteonecrosis\_related osteonecrosis\_osteonecrosis jaw |
| 256 | 27 | 256\_pluripotent stem cells\_pluripotent stem\_pluripotent\_induced pluripotent stem |
| 257 | 27 | 257\_endodontic\_guided tissue regeneration\_guided tissue\_lesions |
| 258 | 27 | 258\_lactic\_poly lactic\_lactic acid\_membranes |
| 259 | 27 | 259\_fibular\_children\_resection\_vascularized |
| 260 | 27 | 260\_collagen membranes\_membranes\_porcine\_collagen |
| 261 | 27 | 261\_gold\_nanoparticles\_nanoparticles bone\_nanoparticle |
| 262 | 27 | 262\_umbilical cord\_umbilical\_cord\_human umbilical cord |
| 263 | 27 | 263\_surface modifications\_surfaces\_modifications\_dental implants |
| 264 | 27 | 264\_intrabony\_intrabony defects\_treatment intrabony\_treatment intrabony defects |
| 265 | 27 | 265\_hip\_hydroxyapatite coated\_hip arthroplasty\_total hip |
| 266 | 26 | 266\_phenotype\_conditioned medium\_stem cell differentiation\_cell conditioned medium |
| 267 | 26 | 267\_recombinant human bone\_human bone morphogenetic\_bone morphogenetic protein\_morphogenetic protein |
| 268 | 26 | 268\_osseointegrated\_osseointegrated implants\_retained\_prosthesis |
| 269 | 26 | 269\_periodontal tissue\_periodontal tissue regeneration\_adipose\_adipose derived |
| 270 | 26 | 270\_cell binding peptide\_cell binding\_binding peptide\_bovine derived |
| 271 | 26 | 271\_lactic\_poly lactic\_poly\_lactic acid |
| 272 | 26 | 272\_nanotubes\_tio\_nanotube\_tio2 |
| 273 | 25 | 273\_autophagy\_differentiation bone marrow\_impairment\_differentiation bone |
| 274 | 25 | 274\_acid scaffolds\_polylactic acid\_printed\_poly lactic |
| 275 | 25 | 275\_gingival\_flap\_advanced\_acellular dermal matrix |
| 276 | 25 | 276\_tooth\_teeth\_necrotic\_regenerative potential |
| 277 | 24 | 277\_immediate loading\_loading\_immediate\_implants immediate |
| 278 | 24 | 278\_notch\_notch signaling\_signaling\_signaling bone |
| 279 | 24 | 279\_mineralized collagen\_collagen\_collagen based\_mineralized |
| 280 | 24 | 280\_magnetic\_static\_field\_fields |
| 281 | 24 | 281\_black\_phosphorus\_nanosheets\_nanomaterials |
| 282 | 23 | 282\_polydopamine\_mussel inspired\_mussel\_inspired |
| 283 | 23 | 283\_fractures\_plate\_proximal\_tibia |
| 284 | 23 | 284\_esthetic\_zone\_esthetic zone\_immediate |
| 285 | 23 | 285\_membrane\_guided bone\_guided bone regeneration\_titanium |
| 286 | 23 | 286\_ridge\_expansion\_split\_maxilla |
| 287 | 23 | 287\_oxygen\_calvarial\_calvarial defects\_diabetes |
| 288 | 22 | 288\_15\_agonist\_selective\_inhibitors |
| 289 | 22 | 289\_phosphate scaffolds\_calcium phosphate scaffolds\_calcium phosphate\_3d |
| 290 | 22 | 290\_hypoxia\_hypoxic\_preconditioning\_deprivation |
| 291 | 22 | 291\_cell therapy\_cardiac\_therapy\_cell based |
| 292 | 22 | 292\_extraction\_extraction sites\_immediate\_sites |
| 293 | 22 | 293\_endothelial\_endothelial cells\_derived endothelial\_endothelial progenitor cells |
| 294 | 22 | 294\_cyst\_resection\_subperiosteal\_fibular |
| 295 | 22 | 295\_marrow derived cells\_cells bone marrow\_plasticity\_bone marrow cells |
| 296 | 22 | 296\_diabetic\_wound healing\_wound\_foot |
| 297 | 21 | 297\_erythropoietin\_bone formation rabbit\_formation rabbit\_osteonecrosis femoral head |
| 298 | 21 | 298\_histone\_inhibitor\_methylation\_inhibition |
| 299 | 21 | 299\_cell therapy bone\_society\_therapy bone\_cell therapy |
| 300 | 21 | 300\_fish\_marine\_skin\_collagen |
| 301 | 21 | 301\_terminal\_peptides\_proliferation human\_peptide |
| 302 | 21 | 302\_recombinant human bone\_human bone morphogenetic\_recombinant human\_alveolar |
| 303 | 21 | 303\_osteogenic differentiation mesenchymal\_human mesenchymal stem\_surfaces\_microfluidic |
| 304 | 21 | 304\_runx2\_transcription factor\_cbfa1\_mapk signaling |
| 305 | 21 | 305\_graphene oxide\_graphene\_oxide\_chitosan |
| 306 | 21 | 306\_oral\_diagnosis\_mid\_spectroscopy |
| 307 | 20 | 307\_sclerostin\_antibody\_systemic\_inhibition |
| 308 | 20 | 308\_exfoliated\_deciduous\_deciduous teeth\_stem cells human |
| 309 | 20 | 309\_nanofiber scaffold\_nanofiber\_nanofibers\_adhesion |
| 310 | 20 | 310\_etched\_acid etched\_sandblasted\_acid |
| 311 | 20 | 311\_periapical\_surgery\_regeneration case report\_guided tissue regeneration |
| 312 | 20 | 312\_membranes\_nanofibrous\_membranes guided bone\_membranes guided |
| 313 | 20 | 313\_simulated\_space\_duration\_assays |
| 314 | 20 | 314\_orbital\_floor\_submucosa\_reconstruction |
| 315 | 20 | 315\_infection\_staphylococcus\_staphylococcus aureus\_biofilm |
| 316 | 20 | 316\_iliac\_iliac crest\_crest\_donor site |
| 317 | 20 | 317\_nasal\_atelocollagen\_marrow derived stromal\_using bone marrow |
| 318 | 20 | 318\_chitosan\_guided\_guided bone\_membranes |
| 319 | 20 | 319\_cranial\_hydroxyapatite\_25\_custom |
| 320 | 19 | 320\_osteochondral\_osteochondral tissue\_regeneration tissue engineering\_regeneration tissue |
| 321 | 19 | 321\_platform\_dimensional finite element\_dimensional finite\_finite element analysis |
| 322 | 19 | 322\_musculoskeletal\_adult mesenchymal stem\_adult mesenchymal\_musculoskeletal tissue |
| 323 | 19 | 323\_cartilage\_morphogenetic proteins\_bone morphogenetic proteins\_articular cartilage |
| 324 | 19 | 324\_imaging\_vessels\_blood vessels\_angiogenesis |
| 325 | 19 | 325\_bone marrow aspirate\_marrow aspirate\_aspirate\_marrow aspirate concentrate |
| 326 | 19 | 326\_chitosan\_periodontal\_chitosan based\_periodontal tissue |
| 327 | 19 | 327\_spectroscopy\_laser\_infrared\_bone morphogenetic proteins |
| 328 | 19 | 328\_heterotopic ossification\_heterotopic\_mtor signaling\_placebo controlled |
| 329 | 19 | 329\_umbilical cord blood\_cord blood\_umbilical cord\_umbilical |
| 330 | 19 | 330\_radius\_distal\_fractures\_stabilized |
| 331 | 19 | 331\_amniotic fluid\_amniotic\_fluid\_human amniotic |
| 332 | 19 | 332\_alcohol\_exposure\_chronic\_tnf |
| 333 | 19 | 333\_implant failure\_failure\_early implant\_factors |
| 334 | 19 | 334\_icariin\_stimulates osteogenic\_tissue engineering effect\_engineering effect |
| 335 | 18 | 335\_air\_guinea\_highly porous\_highly |
| 336 | 18 | 336\_nanotechnology\_regenerative medicine\_medicine\_regenerative |
| 337 | 18 | 337\_pcl\_tcp\_beta tcp\_scaffolds bone tissue |
| 338 | 18 | 338\_type diabetes mellitus\_type diabetes\_stem cell sheet\_diabetes mellitus |
| 339 | 18 | 339\_thermal\_temperature\_drilling\_heat |
| 340 | 18 | 340\_failure\_female\_damaged\_marrow stromal cells |
| 341 | 18 | 341\_lactic\_poly lactic\_poly\_lactic glycolic acid |
| 342 | 18 | 342\_mussel\_adhesive\_mussel inspired\_inspired |
| 343 | 18 | 343\_spinal\_cord\_injury\_bone mesenchymal stem |
| 344 | 18 | 344\_peptide\_peptides\_osteogenic growth peptide\_growth peptide |
| 345 | 18 | 345\_nanofibrous\_nanofibrous scaffolds\_nanofibrous scaffold\_fibrous |
| 346 | 17 | 346\_bone augmentation\_augmentation\_vertical bone augmentation\_vertical bone |
| 347 | 17 | 347\_papilla\_inter\_syndrome\_crestal |
| 348 | 17 | 348\_fluid\_peri\_peri implant\_1beta |
| 349 | 17 | 349\_teriparatide\_jaw\_osseous regeneration\_osteonecrosis jaw |
| 350 | 17 | 350\_posterior\_short\_areas\_posterior maxilla |
| 351 | 17 | 351\_regeneration peri\_peri implant\_peri\_particulate bone |
| 352 | 17 | 352\_membrane technique\_diaphyseal\_technique\_membrane |
| 353 | 17 | 353\_laser\_surface modifications\_biomechanical\_titanium implants |
| 354 | 17 | 354\_endochondral\_endochondral ossification\_ossification\_developmental |
| 355 | 17 | 355\_terminal\_fracture healing\_activation\_fracture |
| 356 | 17 | 356\_flapless\_implant surgery\_surgery\_survival rates |
| 357 | 17 | 357\_maxillofacial\_dentistry\_maxillofacial surgery\_oral maxillofacial |
| 358 | 16 | 358\_methylation\_adipose derived stem\_histone\_dna |
| 359 | 16 | 359\_calvarial bone defects\_calvarial defect model\_bone regeneration rat\_calvarial |
| 360 | 16 | 360\_schwann\_schwann cells\_transdifferentiation\_cell like |
| 361 | 16 | 361\_electrical\_electrical stimulation\_stimulation\_electric |
| 362 | 15 | 362\_microspheres\_microsphere\_bone regeneration porous\_regeneration porous |
| 363 | 15 | 363\_palatal\_orthodontic\_anchorage\_success rate |
| 364 | 15 | 364\_bone defect\_bone defect model\_engineering\_segmental |
| 365 | 15 | 365\_hydroxyapatite beta\_calvarial defects\_hydroxyapatite\_calvaria |
| 366 | 15 | 366\_blinded\_removal torque\_bone implant\_implant stability |
| 367 | 15 | 367\_medication\_related osteonecrosis\_related osteonecrosis jaw\_osteonecrosis jaw |
| 368 | 15 | 368\_cartilage\_imaging\_multimodal\_bioengineered |
| 369 | 15 | 369\_antibiotic\_implant surgery\_implantology\_osseointegrated implants |
| 370 | 15 | 370\_polyurethane\_biodegradable\_ester\_regenerative medicine |
| 371 | 15 | 371\_lactide\_tricalcium phosphate\_tricalcium\_poly |