

Keyword Index for Society For Biomaterials 2007 Annual Meeting

absorbable 290, 295, 298, 314, 334, 335, 336, 337, 377, 515, 516, 517, 518, 520, 670, 873

adhesion 120, 122, 124, 137, 201, 219, 222, 238, 406, 414, 415, 492, 507, 531, 589, 685, 689, 755, 773, 780, 830, 853

adsorption 162, 239, 277, 496, 502, 6

aluminum oxide (alumina) 590, 805

angiogenesis/neovascularization 173, 174, 189, 197, 234, 235, 244, 424, 53, 66, 665, 697, 826, 858

animal model 123, 23, 263, 288, 323, 371, 406, 434, 455, 514, 577, 593, 610, 669, 670, 683, 70, 839, 848

antimicrobial 11, 13, 182, 290, 296, 437, 465, 513, 519, 520, 522, 526, 554, 681, 77, 783

arthroplasty 385, 453, 572, 627, 629

articular cartilage 12, 260, 27, 281, 31, 33, 398, 492, 573, 712, 792

artificial lung 194, 306

atomic force microscopy 1, 167, 169, 221, 239, 427, 552, 7, 729, 765, 770, 773, 799

bacterial adherence 511, 513, 526, 531, 778, 781

bearing surfaces 239, 45, 452, 48, 627, 632, 635, 794

bioactive glass 189, 373, 378, 628, 751

bioactive material 112, 113, 133, 170, 188, 19, 192, 197, 20, 207, 211, 213, 239, 241, 262, 267, 280, 306, 316, 359, 369, 374, 388, 40, 414, 426, 432, 463, 484, 508, 516, 609, 657, 666, 684, 687, 690, 706, 716, 722, 723, 724, 725, 733, 745, 789, 790, 99

biocompatibility/hard tissue 135, 35, 359, 374, 384, 386, 432, 434, 455, 456, 595, 603, 605, 631, 803, 805, 810, 814, 824, 864

biocompatibility/soft tissue 112, 150, 152, 155, 174, 189, 190, 28, 320, 352, 377, 380, 397, 418, 431, 436, 50, 506, 515, 651, 661, 670, 671, 679, 702, 717, 724, 788, 800, 837, 839, 843, 853

biodegradation107, 114, 13, 150, 160, 179, 190, 20, 231, 245, 252, 253, 262, 284, 287, 302, 310, 313, 343, 348, 349, 352, 353, 358, 383, 40, 420, 422, 430, 515, 518, 57, 576, 593, 652, 668, 671, 673, 704, 724, 78, 79, 827, 857, 868, 869

biological fluids414

biomaterials availability434, 445, 486, 521, 622, 688, 843

biomechanics103, 104, 347, 363, 39, 427, 446, 450, 458, 486, 621, 629, 651, 689, 69, 807, 834, 835

biomimetic101, 118, 120, 14, 156, 172, 177, 185, 199, 212, 221, 224, 226, 227, 228, 229, 230, 25, 251, 256, 261, 272, 292, 346, 353, 359, 395, 407, 424, 460, 463, 470, 493, 499, 521, 53, 54, 543, 560, 587, 731, 732, 750, 755, 759, 766, 779, 793, 871, 97

biomolecular engineering12, 129, 166, 199, 229, 272, 280, 281, 483, 529, 6, 843, 870, 94

bioresorbable112, 135, 172, 219, 230, 240, 297, 324, 359, 36, 369, 390, 391, 416, 425, 509, 516, 519, 523, 524, 586, 596, 60, 603, 659, 671, 683, 712, 810, 818, 822, 823, 857

biosensors/biochips163, 165, 166, 171, 270, 279, 346, 387, 402, 421, 423, 441, 442, 443, 444, 469, 477, 491, 529, 80, 825

block copolymer10, 155, 197, 235, 291, 334, 336, 339, 350, 388, 536, 538, 565, 818, 87

blood-material interaction144, 174, 205, 426, 675, 699, 700, 75, 788, 847, 853

blood-material interface304, 525, 531, 746, 762, 784, 786, 788, 80

bone114, 118, 132, 134, 136, 137, 223, 236, 256, 258, 262, 263, 288, 341, 348, 375, 386, 450, 503, 524, 532, 538, 578, 591, 605, 609, 617, 619, 624, 628, 660, 684, 709, 71, 714, 797, 798, 807, 819, 844, 93

bone cement (= PMMA, acrylic)382, 446, 455, 456, 532, 579, 585, 617, 639, 835

bone graft181, 246, 349, 369, 384, 487, 522, 533, 593, 603, 616, 619, 631, 657, 658, 66, 680, 692, 716, 76, 823, 833, 836, 842, 844, 95

bone ingrowth132, 328, 364, 371, 596, 714, 811, 828

bone marrow111, 115, 120, 633, 708, 811, 833, 845, 850, 870

bone remodeling30, 593, 624

calcification174, 179, 310, 361

calcium phosphate(s)181, 222, 262, 296, 354, 358, 360, 361, 363, 365, 366, 369, 375, 379, 384, 390, 400, 522, 524, 545, 564, 576, 581, 584, 586, 605, 624, 631, 680, 751, 76, 796, 801, 802, 809, 810, 823, 828, 866

calcium salts/compounds298, 519, 520

carbon578, 585

cardiovascular103, 105, 106, 116, 157, 159, 179, 309, 313, 458, 49, 510, 559, 644, 646, 69, 707, 708, 715, 734, 78, 784, 791, 820, 832, 847, 858, 860

cartilage32, 327, 395, 396, 401, 447, 463, 534, 661, 663, 664, 67, 834, 861

catheter78

cell adhesion101, 128, 146, 149, 164, 171, 201, 212, 214, 216, 217, 24, 270, 307, 322, 356, 37, 397, 424, 426, 429, 474, 494, 495, 499, 589, 622, 63, 64, 694, 698, 703, 726, 749, 753, 754, 760, 767, 769, 779, 782, 787, 8, 805

cell culture185, 223, 268, 38, 427, 431, 462, 492, 495, 52, 564, 573, 587, 624, 628, 673, 708, 733, 822, 830, 854, 864

cell differentiation118, 133, 136, 145, 153, 17, 185, 207, 226, 259, 285, 33, 49, 533, 633, 649, 65, 651, 655, 656, 68, 70, 702, 792, 813, 86, 870

cell therapy17, 408, 709, 715, 92

cell-cell interactions117, 118, 148, 31, 394, 407, 410, 473, 49, 495, 68, 696, 714, 847

cell-material interactions101, 102, 128, 134, 146, 147, 149, 161, 162, 171, 177, 188, 200, 209, 212, 213, 227, 231, 233, 245, 25, 257, 258, 259, 268, 270, 273, 316, 317, 32, 320, 323, 345, 355, 393, 40, 408, 415, 419, 421, 427, 429, 471, 473, 474, 475, 476, 481, 483, 485, 492, 498, 532, 546, 56, 575, 576, 597, 60, 62, 640, 646, 65, 650, 651, 652, 688, 693, 696, 697, 698, 703, 704, 707, 717, 722, 726, 740, 745, 746, 749, 757, 760, 764, 765, 781, 787, 797, 799, 8, 80, 800, 810, 813, 829, 831, 832, 843, 85, 850, 867, 91

ceramic355, 379, 390, 540, 586, 590, 603, 605, 621, 632, 636

clinical157, 300, 42, 688

coagulation784, 853

coagulation factors144, 700

coating(s)163, 182, 200, 304, 418, 510, 521, 526, 543, 552, 637, 675, 681, 751, 762, 789, 791, 794

cobalt-chromium (alloys)218, 438, 46, 632, 800

collagen104, 150, 222, 223, 227, 23, 232, 240, 271, 28, 318, 325, 333, 338, 351, 386, 395, 396, 412, 443, 462, 464, 468, 476, 633, 65, 664, 710, 750, 753, 755, 837, 846, 852, 865, 871

complement129

composite/hard tissue168, 170, 181, 222, 358, 360, 365, 370, 374, 400, 432, 471, 583, 608, 630, 659, 684, 710, 713, 812

composite/soft tissue436, 464, 530, 622, 652, 726, 873

computer modeling/simulation166, 277, 453, 584, 802

contact lens14

controlled release11, 16, 202, 234, 248, 252, 284, 287, 29, 297, 30, 472, 497, 510, 551, 552, 553, 676, 679, 73, 77, 855, 86, 87, 88

cornea/conjunctiva122, 124, 125, 412, 748

corrosion592, 606, 771

creep727, 872

crystallinity354, 384, 572, 584, 74

cytokines146, 157, 213, 218, 274, 498, 529, 575, 693, 695, 775, 85

cytotoxicity160, 274, 302, 305, 329, 418, 430, 435, 537, 563, 671

degradation145, 202, 204, 353, 36, 379, 391, 504, 634, 635, 659, 672, 713, 737, 801, 816, 83

demineralized842

dental/craniofacial material381, 383, 418, 485, 503, 504, 751, 76

dental/endosteal implant783, 798, 799, 809

dermal substitutes232, 460

dermal wound dressing300, 851

diabetes200, 539, 540, 852

drug delivery/release10, 12, 129, 13, 14, 15, 182, 183, 184, 197, 237, 245, 248, 249, 250, 251, 253, 254, 255, 266, 269, 281, 282, 283, 284, 285, 286, 287, 29, 290, 291, 293, 295, 296, 297, 298, 299, 300, 303, 304, 305, 339, 4, 404, 416, 425, 476, 505, 506, 511, 512, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 525, 535, 536, 538, 539, 540, 541, 543, 544, 545, 546, 547, 549, 55, 550, 551, 552, 553, 555, 556, 557, 568, 569, 587, 654, 677, 678, 679, 681, 685, 716, 719, 735, 75, 76, 81, 83, 85, 863, 9

education/instruction138, 140, 141, 142, 143

electrical stimulation134, 309, 321

electrodes745, 772

electron microscopy276, 480, 623, 638, 804

embolization459, 669, 727, 734

encapsulated cells3, 408, 411, 420, 653, 663, 665, 666, 690, 849

endothelial cells15, 189, 247, 356, 426, 61, 644, 675, 746, 747, 847

endothelialization176, 177, 196, 243, 343, 706

enzyme(s)15, 306, 465, 469, 730, 739

epithelial cells38, 509, 567, 696

extracellular matrix105, 106, 109, 113, 119, 142, 156, 161, 178, 186, 220, 24, 264, 265, 268, 28, 310, 313, 319, 351, 39, 396, 40, 447, 460, 462, 479, 482, 508, 643, 652, 653, 656, 69, 693, 721, 725, 732, 821, 846, 851

failure analysis528, 626

fatigue104, 363, 585, 626, 872

fiber22, 236, 295, 325, 334, 337, 338, 339, 34, 340, 342, 482, 697, 854

fibrin119, 151, 191, 241, 247, 273, 324, 559, 59, 73, 737, 841, 855, 95

fibrinogen119, 151, 7, 770, 772, 840

fibroblasts309, 34, 393, 409, 698, 718, 800

fibronectin/vitronectin147, 162, 257, 273, 318, 429, 494, 61, 666, 695

fibrous capsule164, 210, 718

finite element analysis194, 255, 293, 616

fixation105, 106, 511

foreign body reactions (response)209, 443, 444, 498, 65, 703

fracture370, 479, 621

fracture fixation446, 657

fretting571, 756

FTIR437, 452, 622, 868

gene therapy/gene delivery263, 269, 288, 534, 537, 563, 564, 567, 663, 87, 9, 96

genetic engineering197

glow discharge (RF/Plasma)437, 64, 769

gold357, 730, 750, 92, 93

graft/copolymer165, 211, 381, 389, 395, 423, 440, 561, 779

growth factor119, 157, 173, 184, 234, 252, 264, 266, 292, 30, 31, 357, 401, 416, 484, 487, 496, 508, 57, 59, 665, 680, 701, 715, 718, 725, 73, 79, 815, 840, 842, 848, 851, 855, 858, 95

heart assist device180

heart valve104, 105, 108, 179, 204, 313

hemocompatibility158, 180, 304, 699, 744, 763, 784, 785

hemostasis670, 689

heparin180, 388, 489, 646, 656, 660, 75, 95

hip prosthesis385, 41, 42, 43, 432, 438, 46, 580, 592, 607, 612, 627, 634, 637, 641, 806

histology140, 505, 581, 610, 839

hydrogel116, 121, 122, 125, 15, 150, 153, 16, 173, 177, 187, 199, 203, 206, 21, 214, 231, 234, 237, 244, 249, 25, 250, 251, 26, 260, 27, 271, 283, 292, 297, 303, 31, 317, 32, 322, 326, 33, 37, 388, 389, 392, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 410, 415,

497, 53, 56, 649, 650, 653, 655, 659, 661, 662, 663, 665, 667, 668, 678, 679, 683, 685, 690, 712, 719, 738, 753, 812, 826, 848, 849, 856, 857, 861, 87

hydrophilic777, 796, 94

hydrophobic183, 736, 796

hydroxy apatite246, 254, 257, 311, 35, 357, 433, 468, 496, 564, 630, 687, 750, 77, 803, 812, 829, 865

immobilization19, 2, 278, 279, 306, 322, 345, 4, 407, 440, 484, 489, 491, 57, 673, 753, 775

immune response126, 129, 130, 131, 160, 218, 243, 285, 3, 546, 575, 597, 640, 717, 72

immunoassay(s)440, 441

immunohistochemistry220, 528, 70

implant design255, 293, 323, 389, 588, 621, 837, 97

implant interface164, 216, 258, 444, 609, 794, 807

implant retrieval132, 44, 448, 45, 592

in vitro107, 11, 137, 145, 159, 254, 268, 291, 329, 335, 355, 379, 411, 420, 435, 476, 49, 498, 549, 550, 563, 576, 594, 664, 672, 684, 686, 689, 703, 755, 83, 830, 833, 850, 91, 94

in vivo100, 11, 111, 152, 164, 190, 196, 21, 220, 243, 282, 286, 288, 301, 380, 385, 456, 507, 563, 612, 629, 654, 672, 702, 719, 742, 806, 814, 824, 839

infection296, 298, 311, 371, 513, 531

inflammation126, 130, 131, 147, 152, 159, 206, 220, 308, 378, 444, 573, 702, 72, 746, 775

integrins153, 217, 226, 229, 257, 272, 273, 280, 499, 694, 695, 748, 766

interface(s)117, 221, 421, 487, 493, 529, 765, 766, 97

interleukin(s)147

intervertebral disk364, 389, 399, 454, 457, 610, 653

intraocular lens123

intravascular727, 728

joint replacement134, 327, 44, 598, 615, 794

keratinocytes223, 589

knee prosthesis448, 571, 613, 625, 629

laser102, 394, 472, 562, 84, 89

leukocyte126, 130, 131, 209, 72

ligament(s)260, 720, 846

lipid148, 228, 470, 541, 555

lymphokines475

matrix156, 54, 662

maxillofacial71

mechanical properties100, 108, 125, 151, 169, 178, 204, 208, 221, 338, 352, 370, 372, 381, 383, 399, 412, 447, 451, 452, 453, 459, 468, 479, 481, 485, 50, 503, 523, 56, 579, 581, 601, 608, 620, 662, 67, 728, 732, 773, 845, 846, 856, 869

membrane228, 328, 497, 630, 812

membrane oxygenation194, 821

metal (alloys)4, 525, 578, 641

metal ions228, 373, 378, 554, 627

microdamage394, 93

microscopy123, 404, 62, 74, 90

microspheres184, 25, 253, 26, 302, 303, 358, 375, 396, 408, 462, 533, 543, 546, 550, 556, 573, 676, 677, 83, 85, 86, 88

microstructure103, 171, 194, 235, 242, 321, 343, 347, 409, 410, 412, 415, 453, 458, 474, 477, 530, 55, 579, 63, 69

mineralization132, 263, 361, 373, 594, 655, 710, 811, 813

molecular imaging403, 456, 530, 557, 90

molecular modeling275, 277, 501, 502, 729

morphology756

muscle153, 309, 473, 707, 721

nanoassembled devices187, 570, 731

nanobiology1, 169, 224, 233, 435, 560

nanomaterials/nanophase13, 166, 168, 183, 192, 195, 199, 22, 230, 240, 256, 269, 305, 320, 330, 331, 332, 340, 342, 350, 374, 386, 387, 400, 433, 435, 465, 466, 468, 469, 471, 475, 509, 51, 512, 534, 537, 539, 540, 553, 554, 561, 570, 591, 658, 668, 678, 730, 731, 748, 783, 803, 804, 805, 864, 866, 89, 90, 92, 93

nanomedicine10, 224, 301, 537, 541, 555, 557, 560, 562, 565, 570, 81, 91

nanomodified surfaces148, 211, 216, 245, 272, 278, 286, 356, 429, 441, 461, 465, 477, 482, 487, 5, 698, 699, 705, 767, 782, 785, 791, 796, 801, 807, 809

nanotechnology1, 16, 169, 172, 192, 196, 203, 233, 253, 270, 311, 331, 34, 357, 365, 416, 450, 461, 464, 466, 469, 538, 541, 544, 551, 555, 556, 557, 559, 562, 569, 570, 579, 583, 585, 705, 729, 730, 735, 739, 790, 822, 84, 89, 91

neointima789

nerve regeneration191, 21, 211, 22, 23, 24, 29, 316, 317, 319, 320, 322, 324, 325, 326, 447, 472, 482, 486, 51, 57, 654, 742, 857

neural prosthesis654, 742

neurons318, 321, 346, 394, 472, 477, 51, 560

numerical analysis62, 63

ophthalmic122, 123, 124, 14

orthopedic102, 135, 192, 195, 229, 261, 286, 290, 35, 36, 363, 372, 390, 391, 44, 461, 511, 544, 583, 584, 594, 595, 596, 601, 602, 620, 626, 628, 640, 657, 680, 713, 722, 778, 803, 823, 827, 835

osteogenesis101, 115, 185, 207, 259, 261, 267, 284, 287, 341, 633, 639, 66, 813, 836

osteolysis385, 532, 571, 577, 694

osteoporosis248

oxidation308, 634, 704, 868

particulate debris218, 274, 575, 577, 623, 639

pathology505

PEEK798

percutaneous371

pericardium108

permeability328, 478

phase separated polymer167, 398, 63, 734, 819

pHEMA125

plasma protein144, 700, 842

platelet307, 80, 840

polydioxanone314, 830

polyethylene (UHMWPE)41, 42, 452, 48, 574, 577, 580, 588, 598, 599, 602, 604, 607, 611, 612, 613, 615, 618, 623, 625, 634, 635, 694, 806

polyethylene-terephthalate146, 693, 744, 825

polymer114, 121, 140, 158, 159, 160, 161, 163, 246, 250, 254, 269, 275, 278, 295, 302, 316, 334, 336, 337, 340, 349, 35, 350, 352, 353, 391, 397, 402, 403, 404, 422, 423, 425, 466, 470, 480, 497, 510, 518, 533, 535, 547, 551, 556, 559, 567, 608, 677, 686, 688, 692, 701, 705, 728, 737, 738, 74, 759, 760, 762, 773, 816, 831, 867, 9

polymerization112, 267, 350, 381, 383, 422, 451, 485, 517, 55, 856

polysulfone786

polyurethane(s)107, 145, 167, 205, 241, 308, 347, 377, 430, 436, 474, 5, 594, 595, 699, 704, 736, 793, 832, 868, 869

porosity364, 398, 478, 481, 606, 827, 828, 859

porous coated372, 601, 620

protein adsorption128, 163, 165, 167, 224, 246, 275, 276, 277, 3, 436, 441, 475, 488, 491, 493, 502, 554, 64, 646, 686, 691, 692, 700, 701, 738, 739, 741, 743, 744, 747, 765, 766, 770, 777, 779, 780, 786, 787

protein conformation128, 237, 361, 387, 466, 502, 52, 6, 691, 741, 744, 770

radiation330, 431, 480, 92

regenerative medicine186, 20, 208, 237, 238, 26, 264, 265, 327, 39, 53, 54, 643, 644, 67, 714, 717, 719, 819, 821

scaffolds111, 115, 117, 120, 149, 151, 170, 172, 190, 195, 214, 22, 230, 236, 238, 240, 242, 256, 267, 301, 317, 324, 327, 330, 331, 332, 333, 341, 342, 343, 345, 346, 347, 348, 360, 365, 366, 37, 411, 443, 460, 478, 479, 480, 481, 488, 489, 50, 583, 586, 587, 60, 655, 658, 660, 661, 664, 666, 673, 687, 690, 709, 729, 732, 749, 793, 814, 815, 816, 817, 818, 819, 820, 821, 822, 824, 825, 826, 828, 829, 831, 833, 834, 837, 841, 850, 851, 854, 859, 860, 861, 863, 865, 866, 867, 871

sensor2, 203, 527, 591

silicone(s) PDMS107, 154, 232, 486, 7, 718, 740, 780, 781

smart materials16, 197, 203, 250, 299, 423, 727, 731, 767, 782, 9

spinal implant181, 208, 23, 258

stability279, 299, 355, 387, 470, 550, 758

stainless steel459, 772

stem/progenitor cells156, 161, 168, 17, 178, 186, 19, 191, 233, 242, 259, 266, 271, 30, 32, 38, 401, 463, 59, 639, 649, 650, 656, 68, 697, 706, 708, 709, 710, 715, 721, 764, 792, 836, 844, 86, 870, 88

stents493, 512, 525, 78, 790, 791, 873

sterilization329, 330, 337, 405, 431, 572, 608, 618, 635

strain154, 393

stress33, 393, 588

surface analysis2, 276, 448, 5, 686, 743, 752

surface characterization135, 180, 202, 210, 215, 275, 276, 279, 3, 329, 366, 372, 430, 46, 491, 503, 609, 691, 7, 733, 736, 740, 754, 758, 767, 769, 772, 777, 780, 782, 785, 799, 804

surface modification100, 102, 133, 136, 162, 165, 176, 2, 200, 205, 209, 210, 212, 213, 214, 215, 216, 241, 261, 307, 319, 321, 345, 4, 419, 421, 424, 433, 437, 440, 473, 488, 489, 494, 499, 5, 526, 591, 598, 6, 606, 62, 64, 692, 695, 701, 736, 738, 742, 745, 747, 748, 752, 756, 757, 758, 759, 760, 762, 763, 769, 77, 777, 778, 783, 785, 786, 787, 790, 792, 797, 8, 811, 99

sustained release252, 300, 506, 517, 523, 524, 535, 547, 561, 676, 677

suture335, 336, 513

tendon prosthesis845

test method108, 43, 450, 527, 580, 610, 638

thrombogenicity75, 763

tissue adhesion206, 311, 377, 380, 507

tissue culture154, 342, 409, 623, 79

tissue engineering109, 111, 113, 114, 116, 117, 126, 130, 131, 138, 141, 142, 143, 149, 155, 168, 170, 176, 184, 188, 19, 195, 197, 201, 202, 204, 205, 207, 208, 21, 226, 227, 231, 232, 236, 24, 242, 243, 244, 260, 265, 266, 27, 271, 28, 29, 292, 301, 307, 314, 318, 319, 328, 331, 332, 338, 339, 340, 341, 348, 349, 351, 36, 360, 366, 37, 375, 38, 39, 392, 403, 407, 409, 410, 411, 419, 420, 422, 433, 451, 471, 478, 483, 488, 50, 508, 51, 52, 530, 534, 54, 59, 60, 643, 649, 650, 658, 66, 660, 662, 668, 67, 675, 678, 68, 687, 70, 707, 71, 712, 713, 716, 72, 721, 722, 723, 724, 725, 726, 73, 737, 749, 814, 815, 817, 818, 820, 824, 825, 826, 827, 829, 832, 834, 836, 844, 849, 852, 855, 856, 858, 859, 860, 863, 864, 865, 866, 867, 869, 88, 90

titanium (alloys)100, 133, 136, 137, 183, 215, 274, 364, 461, 494, 589, 592, 601, 606, 620, 626, 681, 741, 754, 756, 758, 763, 771, 778, 797, 798, 801, 802, 804, 809, 99

total joint replacement438, 448, 48, 528, 574, 604, 618, 636, 638

toxicity282

tracheal prosthesis793

tribology124, 41, 43, 574, 590, 607, 613, 625, 641, 759

tumor10, 255, 280, 282, 285, 293, 507, 535, 553, 561, 562, 84, 89

umbilical845

urology/urological engineering113, 152, 154, 155, 188, 505, 872, 873

vascular103, 115, 201, 247, 303, 458, 669, 816, 84, 848, 871

vascular graft178, 196, 310, 314, 333, 644, 733, 747, 79, 817, 820

vascular prosthesis176, 706, 789

vascular stents356, 425

vertebral446, 581, 835

viscoelastic121, 26, 399, 672, 685, 728, 734, 872

viscosity291, 669

vitreous121

wear41, 42, 43, 438, 45, 572, 574, 578, 580, 598, 604, 607, 612, 613, 618, 625, 632, 636, 637, 641

wear debris44, 48, 528, 571, 595, 597, 604, 615, 638, 640, 806

women's health495, 506

wound dressings187, 34, 380, 723, 852

wound healing186, 187, 206, 406, 484, 496, 509, 683, 723, 775, 841, 97

zirconia46, 590