

Keywords

Master Keywords			Secondary Keywords				
1	3d imaging	58	differentiation	115	nanotechnology	1	absorbable
2	acellular matrix	59	disc replacement	116	nanotopography	2	adsorption
3	adhesion	60	drug delivery	117	nerve regeneration	3	angiogenesis/neovascularization
4	antifouling	61	drug testing	118	neural stem cells	4	antibacterial
5	automation	62	elastin	119	non-viral vectors	5	bioceramics
6	basement membrane	63	electrospinning	120	ophthalmic	6	biofabrication
7	bioabsorbable material	64	environmentally responsive	121	orthopedic	7	biomechanics
8	bioabsorbable stent	65	enzymes	122	osteointductivity	8	biomineralization
9	bioactive interfaces	66	exosomes	123	osteoradionecrosis	9	biomimetic
10	bioactive materials	67	extracellular matrix	124	oxidation resistance	10	bioreactors
11	bioactive molecule	68	fracture toughness	125	patterned biomaterials	11	block copolymer
12	biocompatibility	69	friction	126	PEEK	12	blood rheology
13	biodegradable	70	functional surfaces	127	polymer brush	13	bone
14	biofunctional molecules	71	Gd complex	128	polymer characterization	14	bone cement
15	biofunctionalization	72	gene delivery	129	porous structure	15	calcification
16	bioinert	73	gene expression	130	precursors	16	catheter
17	bio-inspiration	74	growth factors	131	proliferation	17	cell therapy
18	biointerface	75	guided tissue regeneration	132	properties	18	collagen
19	biomedical application	76	heart repair	133	protein	19	controlled release
20	bio-mems	77	heart valve	134	protein adsorption	20	cytotoxicity
21	biomimetic culture models	78	hemocompatible	135	recombinant proteins	21	demineralized
22	biomimetic scaffolds	79	hierarchy	136	regenerative medicine	22	diagnosis
23	bioprinting	80	high throughput	137	reporter gene.	23	encapsulation
24	bioresponse	81	hybrid biomaterials	138	peptide	24	endothelial
25	biosensors	82	hydrogel	139	RNAi	25	epithelial tissue
26	biosilica	83	hydroxyapatite	140	scaffold	26	ethics
27	biotribology	84	implants	141	screening	27	fiber
28	bone regeneration	85	infection	142	self-assembly	28	fibrous capsule
29	bone repair	86	instructive biomaterials	143	shape-memory polymer	29	gene therapy
30	burn wounds	87	instructive microenvironments	144	silicatein	30	heart assist device
31	calcium phosphate	88	intelligent gels	145	siRNA	31	hemodialysis
32	calcium phosphate bone cement	89	interface	146	skin barrier	32	hemostasis
33	cancer	90	intervertebral disc	147	skin regeneration	33	imaging
34	capsules	91	intracellular trafficking	148	small molecules	34	lipid
35	cardiovascular biomaterial	92	intraocular lens	149	smart materials	35	measurement/assessment
36	cardiovascular disease	93	Joint replacement	150	stem cells	36	mechanical properties
37	cartilage	94	lab on a chip	151	stimuli-responsive	37	membrane
38	cell communication	95	Layer-by-layer	152	surface erosion	38	microfabrications
39	cell encapsulation	96	ligament	153	surface modification	39	ophthalmologic
40	cell functionality	97	liposome	154	surface patterning	40	osteogenesis
41	cell modulation	98	lubrication	155	surface properties	41	osteoinductive materials
42	cell phenotypes	99	magnetic nanoparticles	156	surface topology	42	patterning
43	cell responses	100	material signal	157	surgical technologies	43	plasma spray
44	cell shape	101	mechanism	158	tendon	44	polysaccharides
45	cell sheeting	102	metals	159	therapeutics	45	porous
46	cell-adhesive surface	103	micelle	160	tissue compatibility	46	processing
47	cell-biomaterial interaction	104	microdevice	161	tissue engineering	47	prosthesis
48	cell-surface interaction	105	microenvironment	162	tissue engineering blood vessel	48	protein conformation
49	clinical relevance	106	micro-friction	163	Myocardial tissue	49	rapid prototyping
50	complex tissue organization	107	modeling	164	tissue regeneration	50	recombinant proteins
51	contact lens	108	molecular imaging	165	topical delivery	51	regulatory
52	contrast agent	109	MRI	166	tribology	52	release
53	cornea	110	nano-/microparticles	167	UHMWPE	53	safety assessment
54	corrosion	111	nanocomposites	168	ultra-thin coating	54	stent
55	crystal growth	112	nanoengineered biomaterials	169	water mobility	55	supramolecule
56	cytokines	113	nanofibers	170	wear	56	toxicity
57	dental material	114	nanostructured silicon	171	wound healing	57	vaccine