

# Klaus D Jandt

## List of Publications by Year in descending order

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225  
papers

10,167  
citations

36303

51  
h-index

42399

92  
g-index

229  
all docs

229  
docs citations

229  
times ranked

10900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drug delivery of 6-bromoindirubin-3- $\beta$ -D-glucopyranoside-glycerol-oxime ether employing poly(D,L-lactide-co-glycolide)-based nanoencapsulation techniques with sustainable solvents. <i>Journal of Nanobiotechnology</i> , 2022, 20, 5.	9.1	7
2	Osteocytes Influence on Bone Matrix Integrity Affects Biomechanical Competence at Bone-Implant Interface of Bioactive-Coated Titanium Implants in Rat Tibiae. <i>International Journal of Molecular Sciences</i> , 2022, 23, 374.	4.1	7
3	Rutile facet-dependent fibrinogen conformation: Why crystallographic orientation matters. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112506.	5.0	4
4	The antimicrobial effect of calcium-doped titanium is activated by fibrinogen adsorption. <i>Materials Horizons</i> , 2022, 9, 1962-1968.	12.2	8
5	Antibacterial Designs for Implantable Medical Devices: Evolutions and Challenges. <i>Journal of Functional Biomaterials</i> , 2022, 13, 86.	4.4	13
6	Self-assembled fibrinogen-fibronectin hybrid protein nanofibers with medium-sensitive stability. <i>RSC Advances</i> , 2021, 11, 14113-14120.	3.6	4
7	Biopolymer surface modification of PLGA fibers enhances interfacial shear strength and supports immobilization of rhGDF-5 in fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104285.	3.1	8
8	Sustainable preparation of anti-inflammatory atorvastatin PLGA nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120404.	5.2	19
9	Performance of Calcium Phosphate Cements in the Augmentation of Sheep Vertebrae—An Ex Vivo Study. <i>Materials</i> , 2021, 14, 3873.	2.9	3
10	The Action of Networks of Nanosilver: Bridging the Gap between Material and Biology. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100619.	7.6	6
11	Distinct endocytosis and immune activation of poly(lactic-co-glycolic) acid nanoparticles prepared by single- and double-emulsion evaporation. <i>Nanomedicine</i> , 2021, 16, 2075-2094.	3.3	4
12	Polystyrene Homopolymer Enhances Dispersion of MWCNTs Stabilized in Solution by a PS-b-P2VP Copolymer. <i>Langmuir</i> , 2021, 37, 391-399.	3.5	2
13	Effectiveness of Casein Phosphopeptide-Amorphous Calcium Phosphate (CPP-ACP) Compared to Fluoride Products in an In-Vitro Demineralization Model. <i>Materials</i> , 2021, 14, 5974.	2.9	6
14	Infections @ Trauma/Orthopedic Implants: Recent Advances on Materials, Methods, and Microbes—A Mini-Review. <i>Materials</i> , 2021, 14, 5834.	2.9	11
15	Effect of an electric field during the deposition of silicon dioxide thin films by plasma enhanced atomic layer deposition: an experimental and computational study. <i>Nanoscale</i> , 2020, 12, 2089-2102.	5.6	22
16	Nanotechnology in dentistry: Present and future perspectives on dental nanomaterials. <i>Dental Materials</i> , 2020, 36, 1365-1378.	3.5	103
17	Self-Assembly of Copolyesters into Stereocomplex Crystallites Tunes the Properties of Polyester Nanoparticles. <i>Macromolecules</i> , 2020, 53, 8340-8351.	4.8	11
18	Novel protein and peptide nanofibrous structures via supramolecular co-assembly. , 2020, , 69-97.		3

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19	How Nanotopography-Induced Conformational Changes of Fibrinogen Affect Platelet Adhesion and Activation. <i>Langmuir</i> , 2020, 36, 11573-11580.	3.5	19
20	Copolymerization of Caprolactone Isomers to Obtain Nanoparticles with Constant Hydrophobicity and Tunable Crystallinity. <i>Macromolecules</i> , 2020, 53, 5208-5217.	4.8	10
21	Quantifying the relationship between surfaces' nano-contact point density and adhesion force of <i>Candida albicans</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111177.	5.0	9
22	The old sheep: a convenient and suitable model for senile osteopenia. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 620-630.	2.7	5
23	Microorganisms @ materials surfaces in aircraft: Potential risks for public health? – A systematic review. <i>Travel Medicine and Infectious Disease</i> , 2019, 28, 6-14.	3.0	22
24	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 629-635.	31.5	149
25	The poly (l-lactid-co-glycolide; PLGA) fiber component of brushite-forming calcium phosphate cement induces the osteogenic differentiation of human adipose tissue-derived stem cells. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 055012.	3.3	9
26	In Vitro Release of Bioactive Bone Morphogenetic Proteins (GDF5, BB-1, and BMP-2) from a PLGA Fiber-Reinforced, Brushite-Forming Calcium Phosphate Cement. <i>Pharmaceutics</i> , 2019, 11, 455.	4.5	13
27	Poly(3-ethylglycolide): a well-defined polyester matching the hydrophilic hydrophobic balance of PLA. <i>Polymer Chemistry</i> , 2019, 10, 5440-5451.	3.9	11
28	MBEC Versus MBIC: the Lack of Differentiation between Biofilm Reducing and Inhibitory Effects as a Current Problem in Biofilm Methodology. <i>Biological Procedures Online</i> , 2019, 21, 18.	2.9	60
29	Indirect morphological analysis of particles in polymer particle composites via non-destructive permittivity measurements. <i>Composites Science and Technology</i> , 2019, 169, 176-185.	7.8	2
30	Gold nanoparticle contact point density controls microbial adhesion on gold surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 201-208.	5.0	14
31	Protein Handshake on the Nanoscale: How Albumin and Hemoglobin Self-Assemble into Nanohybrid Fibers. <i>ACS Nano</i> , 2018, 12, 1211-1219.	14.6	34
32	Clinical long-term success of contemporary nano-filled resin composites in class I and II restorations cured by LED or halogen light. <i>Clinical Oral Investigations</i> , 2018, 22, 1651-1662.	3.0	6
33	The GDF5 mutant BB-1 enhances the bone formation induced by an injectable, poly(l-lactide-co-glycolide) acid (PLGA) fiber-reinforced, brushite-forming cement in a sheep defect model of lumbar osteopenia. <i>Spine Journal</i> , 2018, 18, 357-369.	1.3	12
34	An advanced geometrical model for laminated woven fabrics using Lam <sup>Å</sup> exponents with enhanced accuracy. <i>Journal of Composite Materials</i> , 2018, 52, 1443-1455.	2.4	1
35	Controlling Protein Adsorption through Nanostructured Polymeric Surfaces. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700995.	7.6	81
36	Protein-mimetic peptide nanofibers: Motif design, self-assembly synthesis, and sequence-specific biomedical applications. <i>Progress in Polymer Science</i> , 2018, 80, 94-124.	24.7	145

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37	Nanoconfinement and Sansetsukon-like Nanocrawling Govern Fibrinogen Dynamics and Self-Assembly on Nanostructured Polymeric Surfaces. <i>Langmuir</i> , 2018, 34, 14309-14316.	3.5	7
38	Maintaining the Hydrophilic-Hydrophobic Balance of Polyesters with Adjustable Crystallinity for Tailor-Made Nanoparticles. <i>Macromolecules</i> , 2018, 51, 5567-5576.	4.8	20
39	Acetabular Cup with a Trabecular Coating: A Novel Approach to a Monolithic Cup Made of One High-Strength Ceramic Material. <i>Advanced Engineering Materials</i> , 2018, 20, 1800230.	3.5	1
40	In vitro analysis of biopolymer coating with glycidoxypolytrimethoxysilane on hernia meshes. , 2017, 105, 1083-1090.		2
41	Responsive copolymer-graphene oxide hybrid microspheres with enhanced drug release properties. <i>RSC Advances</i> , 2017, 7, 3720-3726.	3.6	17
42	Reduced Graphene Oxide Paper: Fabrication by a Green Thermal Reduction Method and Preliminary Study of its <i>In Vitro</i> Cytotoxicity. <i>Journal of Nano Research</i> , 2017, 45, 199-207.	0.8	4
43	Low-dose BMP-2 is sufficient to enhance the bone formation induced by an injectable, PLGA fiber-reinforced, brushite-forming cement in a sheep defect model of lumbar osteopenia. <i>Spine Journal</i> , 2017, 17, 1699-1711.	1.3	22
44	Nanocrystal Width Controls Fibrinogen Orientation and Assembly Kinetics on Poly(butene-1) Surfaces. <i>Langmuir</i> , 2017, 33, 6563-6571.	3.5	8
45	Rationally Engineered Electrodes for a High-Performance Solid-State Cable-Type Supercapacitor. <i>Advanced Functional Materials</i> , 2017, 27, 1606696.	14.9	22
46	High molar mass amphiphilic block copolymer enables alignment and dispersion of unfunctionalized carbon nanotubes in melt-drawn thin-films. <i>Polymer</i> , 2017, 127, 15-27.	3.8	11
47	3D model of intra-yarn fiber volume fraction gradients of woven fabrics. <i>Composite Structures</i> , 2017, 180, 944-954.	5.8	4
48	Short-time pre-washing of brushite-forming calcium phosphate cement improves its in vitro cytocompatibility. <i>Tissue and Cell</i> , 2017, 49, 697-710.	2.2	8
49	GDF5 significantly augments the bone formation induced by an injectable, PLGA fiber-reinforced, brushite-forming cement in a sheep defect model of lumbar osteopenia. <i>Spine Journal</i> , 2017, 17, 1685-1698.	1.3	12
50	Enhanced bone formation in sheep vertebral bodies after minimally invasive treatment with a novel, PLGA fiber-reinforced brushite cement. <i>Spine Journal</i> , 2017, 17, 709-719.	1.3	28
51	Postembedding Decalcification of Mineralized Tissue Sections Preserves the Integrity of Implanted Biomaterials and Minimizes Number of Experimental Animals. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	6
52	Layer-by-layer gelatin/chitosan polyelectrolyte coated nanoparticles on Ti implants for prevention of implant-associated infections. <i>EXPRESS Polymer Letters</i> , 2017, 11, 73-82.	2.1	14
53	Zwitterionic Cellulose Carbamate with Regioselective Substitution Pattern: A Coating Material Possessing Antimicrobial Activity. <i>Macromolecular Bioscience</i> , 2016, 16, 522-534.	4.1	10
54	pH-Dependent Ordered Fibrinogen Adsorption on Polyethylene Single Crystals. <i>Langmuir</i> , 2016, 32, 11868-11877.	3.5	13

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55	Nanorough titanium surfaces reduce adhesion of Escherichia coli and Staphylococcus aureus via nano adhesion points. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 617-625.	5.0	63
56	Study of energy transfer by different light curing units into a class III restoration as a function of tilt angle and distance, using a MARC Patient Simulator (PS). <i>Dental Materials</i> , 2016, 32, 676-686.	3.5	34
57	<i>In Situ</i> Formation of Nanohybrid Shish-Kebabs during Electrospinning for the Creation of Hierarchical Shish-Kebab Structures. <i>Macromolecules</i> , 2016, 49, 3550-3558.	4.8	43
58	All-Solid-State Cable-Type Supercapacitors with Ultrahigh Rate Capability. <i>Advanced Materials Technologies</i> , 2016, 1, 1600012.	5.8	38
59	Decreased extrusion of calcium phosphate cement versus high viscosity PMMA cement into spongy bone marrow—an ex vivo and in vivo study in sheep vertebrae. <i>Spine Journal</i> , 2016, 16, 1468-1477.	1.3	19
60	First-time systematic postoperative clinical assessment of a minimally invasive approach for lumbar ventrolateral vertebroplasty in the large animal model sheep. <i>Spine Journal</i> , 2016, 16, 1263-1275.	1.3	16
61	Gentamicin coating of plasma chemical oxidized titanium alloy prevents implant-related osteomyelitis in rats. <i>Biomaterials</i> , 2016, 101, 156-164.	11.4	79
62	Hemodynamic aspects of reduced platelet adhesion on bioinspired microstructured surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 502-509.	5.0	24
63	Antibacterial effect of silver (I) carbohydrate complexes on oral pathogenic key species in vitro. <i>BMC Oral Health</i> , 2016, 16, 42.	2.3	5
64	Effects of oxygen plasma treatment on interfacial shear strength and post-peak residual strength of a PLGA fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 57, 347-358.	3.1	24
65	Template assisted surface microstructuring of flowable dental composites and its effect on microbial adhesion properties. <i>Dental Materials</i> , 2016, 32, 476-487.	3.5	10
66	Mechanical properties of microwave cured glass fibre epoxy composites prepared by resin transfer moulding. <i>Journal of Composite Materials</i> , 2015, 49, 2839-2847.	2.4	14
67	Quantitative characterization of endothelial cell morphologies depending on shear stress in different blood vessels of domestic pigs using a focused ion beam and high resolution scanning electron microscopy (FIB-SEM). <i>Tissue and Cell</i> , 2015, 47, 205-212.	2.2	6
68	Mechanisms and kinetics of the crystal thickening of poly(butadiene)-block-poly(ethylene oxide) during annealing within the melting range. <i>European Polymer Journal</i> , 2015, 68, 10-20.	5.4	8
69	Reproducible Biofilm Cultivation of Chemostat-Grown Escherichia coli and Investigation of Bacterial Adhesion on Biomaterials Using a Non-Constant-Depth Film Fermenter. <i>PLoS ONE</i> , 2014, 9, e84837.	2.5	36
70	Reduction of ferrihydrite with adsorbed and coprecipitated organic matter: microbial reduction by <i>Geobacter bremensis</i> vs. abiotic reduction by Na-dithionite. <i>Biogeosciences</i> , 2014, 11, 4953-4966.	3.3	92
71	Discrimination between random and non-random processes in early bacterial colonization on biomaterial surfaces: application of point pattern analysis. <i>Biofouling</i> , 2014, 30, 1023-1033.	2.2	3
72	Enveloping Self-Assembly of Carbon Nanotubes at Copolymer Micelle Cores. <i>Langmuir</i> , 2014, 30, 14263-14269.	3.5	10

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73	How different mesophases affect the interactive crystallisation of a block co-oligomer. <i>Polymer</i> , 2014, 55, 1893-1900.	3.8	4
74	Biomimetic 3D hydroxyapatite architectures with interconnected pores based on electrospun biaxially orientated PCL nanofibers. <i>RSC Advances</i> , 2014, 4, 14833-14839.	3.6	41
75	Pathway mediated microstructures and phase morphologies of asymmetric double crystalline co-oligomers. <i>RSC Advances</i> , 2014, 4, 7900.	3.6	9
76	How the Calorimetric Properties of a Crystalline Copolymer Correlate to Its Surface Nanostructures. <i>Macromolecules</i> , 2014, 47, 1705-1714.	4.8	9
77	Enhanced mechanical properties of a novel, injectable, fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 328-338.	3.1	47
78	Colonization of <i>Enterococcus faecalis</i> in a new SiO/SiO <sub>2</sub> -microtube in vitro model system as a function of tubule diameter. <i>Dental Materials</i> , 2014, 30, 661-668.	3.5	8
79	A brief history of LED photopolymerization. <i>Dental Materials</i> , 2013, 29, 605-617.	3.5	207
80	Quantitative characterization of the complexation between proteins and electroneutral polymers. <i>RSC Advances</i> , 2013, 3, 20254.	3.6	2
81	Cu on porous glass: An easily recyclable catalyst for the microwave-assisted azide-alkyne cycloaddition in water. <i>Applied Catalysis A: General</i> , 2013, 451, 94-100.	4.3	25
82	The effect of polyelectrolyte multilayer coated titanium alloy surfaces on implant anchorage in rats. <i>Acta Biomaterialia</i> , 2013, 9, 4926-4934.	8.3	45
83	Physical vapor deposited titanium thin films for biomedical applications: Reproducibility of nanoscale surface roughness and microbial adhesion properties. <i>Applied Surface Science</i> , 2013, 280, 578-589.	6.1	40
84	Facets of protein assembly on nanostructured titanium oxide surfaces. <i>Acta Biomaterialia</i> , 2013, 9, 5810-5820.	8.3	13
85	Antibacterial effect of different root canal sealers on three bacterial species. <i>Dental Materials</i> , 2013, 29, 542-549.	3.5	43
86	Alignment of multi-wall carbon nanotubes by disentanglement in ultra-thin melt-drawn polymer films. <i>Carbon</i> , 2013, 60, 366-378.	10.3	15
87	Biomaterials at Materials Science and Engineering (MSE) 2012. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2013, 2, 98-99.	0.9	0
88	Protein Adsorption on Nano-scaled, Rippled TiO <sub>2</sub> and Si Surfaces. <i>Biointerphases</i> , 2012, 7, 55.	1.6	23
89	Extended-Chain Induced Bulk Morphologies Occur at Surfaces of Thin Co-Oligomer Films. <i>Macromolecules</i> , 2012, 45, 4740-4748.	4.8	15
90	Interfacial Free Energy Driven Nanophase Separation in Poly(3-hexylthiophene)/[6,6]-Phenyl-C61-butyric Acid Methyl Ester Thin Films. <i>Langmuir</i> , 2012, 28, 5257-5266.	3.5	22

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91	Morphology and structure of polymer layers protecting dental enamel against erosion. Dental Materials, 2012, 28, 1089-1097.	3.5	26
92	Bioactive TiO <sub>2</sub> Coating on Titanium Alloy Implants Enhances Osseointegration in a Rat Model. Advanced Engineering Materials, 2012, 14, B21.	3.5	4
93	Euro BioMat 2011. Advanced Engineering Materials, 2012, 14, B3-B3.	3.5	0
94	An Advanced Transformation. Advanced Engineering Materials, 2012, 14, B293-B293.	3.5	0
95	Single-Molecule Tracking of Fibrinogen Dynamics on Nanostructured Poly(ethylene) Films. Advanced Functional Materials, 2012, 22, 2617-2623.	14.9	25
96	Release of metronidazole from electrospun poly(l-lactide-co-d/l-lactide) fibers for local periodontitis treatment. Dental Materials, 2012, 28, 179-188.	3.5	109
97	Resin-composite cytotoxicity varies with shade and irradiance. Dental Materials, 2012, 28, 312-319.	3.5	40
98	Biomimetic mineralization: Long-term observations in patients with dentin sensitivity. Dental Materials, 2012, 28, 457-464.	3.5	29
99	Novel 1-D biophotonic nanohybrids: protein nanofibers meet quantum dots. Soft Matter, 2011, 7, 2011.	2.7	15
100	Protein-Promoted Synthesis of Pt Nanoparticles on Carbon Nanotubes for Electrocatalytic Nanohybrids with Enhanced Glucose Sensing. Journal of Physical Chemistry C, 2011, 115, 11453-11460.	3.1	57
101	Liquid Phase Hydrogenation of Benzalacetophenone: Effect of Solvent, Catalyst Support, Catalytic Metal and Reaction Conditions. Chinese Journal of Catalysis, 2011, 32, 1312-1322.	14.0	13
102	Acids with an equivalent taste lead to different erosion of human dental enamel. Dental Materials, 2011, 27, 1017-1023.	3.5	27
103	The effect of plasma chemical oxidation of titanium alloy on bone-implant contact in rats. Biomaterials, 2011, 32, 8041-8047.	11.4	45
104	How the Surface Nanostructure of Polyethylene Affects Protein Assembly and Orientation. ACS Nano, 2011, 5, 3120-3131.	14.6	37
105	Crystalline Monolayer Ordering at Substrate/Polymer Interfaces in Poly(3-hexylthiophene) Ultrathin Films. Macromolecular Chemistry and Physics, 2011, 212, 905-914.	2.2	25
106	Image Analysis of Endothelial Microstructure and Endothelial Cell Dimensions of Human Arteries – A Preliminary Study. Advanced Engineering Materials, 2011, 13, B54.	3.5	39
107	A Comparison of the Cell Compatibility of Poly(ethyleneimine) with that of other Cationic Biopolymers Used in Applications at Biointerfaces. Advanced Engineering Materials, 2011, 13, B285.	3.5	6
108	Selectively Promoting or Preventing Osteoblast Growth on Titanium Functionalized with Polyelectrolyte Multilayers. Advanced Engineering Materials, 2011, 13, B454.	3.5	10



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109	Facing Biointerfaces. <i>Advanced Engineering Materials</i> , 2011, 13, B333-B333.	3.5	0
110	Nearâ€‘Surface Microstructural Reorganization of UHMWPE under Cyclic Load â€‘ A Pilot Study. <i>Advanced Engineering Materials</i> , 2011, 13, B476.	3.5	2
111	Towards ECM-Analogue Three-Dimensional Biointerfaces. <i>Advanced Engineering Materials</i> , 2011, 13, B263-B263.	3.5	0
112	Focus on Materials in Biomaterials Science. <i>Advanced Engineering Materials</i> , 2011, 13, B431.	3.5	0
113	Stable Extracellular Matrix Protein Patterns Guide the Orientation of Osteoblastâ€‘Like Cells. <i>Advanced Functional Materials</i> , 2011, 21, 4079-4087.	14.9	21
114	Microwaveâ€‘Assisted Partial Hydrogenation of Citral by using Ionic Liquidâ€‘Coated Porous Glass Catalysts. <i>ChemSusChem</i> , 2011, 4, 1654-1661.	6.8	20
115	Biomimetic growth of hydroxyapatite on super water-soluble carbon nanotube-protein hybrid nanofibers. <i>Carbon</i> , 2011, 49, 2216-2226.	10.3	59
116	Freezing of Rat Tibiae at -20Â°C Does Not Affect the Mechanical Properties of Intramedullary Bone/Implant-Interface: Brief Report. <i>The Open Orthopaedics Journal</i> , 2011, 5, 219-222.	0.2	12
117	Micro-structured smart hydrogels with enhanced protein loading and release efficiency. <i>Acta Biomaterialia</i> , 2010, 6, 1297-1306.	8.3	47
118	A novel two-level microstructured poly(N-isopropylacrylamide) hydrogel for controlled release. <i>Acta Biomaterialia</i> , 2010, 6, 3890-3898.	8.3	48
119	Quantification of dental erosionâ€‘A comparison of stylus profilometry and confocal laser scanning microscopy (CLSM). <i>Dental Materials</i> , 2010, 26, 326-336.	3.5	63
120	Pectin, alginate and gum arabic polymers reduce citric acid erosion effects on human enamel. <i>Dental Materials</i> , 2010, 26, 831-839.	3.5	52
121	Biomimetic Mineralization: Effects on Human Enamel In Vivo. <i>Advanced Engineering Materials</i> , 2010, 12, B571.	3.5	13
122	Foundation for Chinese-German Cooperation in advanced biomedical nanostructures laid. <i>Advanced Engineering Materials</i> , 2010, 12, B396-B396.	3.5	0
123	Advanced Biomaterials2010: Growth. <i>Advanced Engineering Materials</i> , 2010, 12, B1-B2.	3.5	3
124	Layerâ€‘Byâ€‘Layer Assembly of Î²â€‘Estradiol Loaded Mesoporous Silica Nanoparticles on Titanium Substrates and Its Implication for Bone Homeostasis. <i>Advanced Materials</i> , 2010, 22, 4146-4150.	21.0	102
125	Responsive Hybrid Polymeric/Metallic Nanoparticles for Catalytic Applications. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 1049-1057.	3.6	70
126	Fibrinogen Adsorption on Biomaterials â€‘ A Numerical Study. <i>Macromolecular Bioscience</i> , 2010, 10, 1216-1223.	4.1	16



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127	Chitosan as a support for heterogeneous Pd catalysts in liquid phase catalysis. <i>Applied Catalysis A: General</i> , 2010, 379, 30-37.	4.3	118
128	Controlled assembly of protein-protected gold nanoparticles on noncovalent functionalized carbon nanotubes. <i>Carbon</i> , 2010, 48, 645-653.	10.3	47
129	The Janus-SSAM Approach for the Flexible Functionalization of Gold and Titanium Oxide Surfaces. <i>Small</i> , 2010, 6, 465-470.	10.0	6
130	Degree of Conversion of Luting Resins Around Ceramic Inlays in Natural Deep Cavities: A Micro-Raman Spectroscopy Analysis. <i>Operative Dentistry</i> , 2010, 35, 579-586.	1.2	26
131	Templating $\alpha$ -Helical Poly(L-lysine)/Polyanion Complexes by Nanostructured Uniaxially Oriented Ultrathin Polyethylene Films. <i>Langmuir</i> , 2010, 26, 18893-18901.	3.5	18
132	Future perspectives of resin-based dental materials. <i>Dental Materials</i> , 2009, 25, 1001-1006.	3.5	193
133	The influence of various light curing units on the cytotoxicity of dental adhesives. <i>Dental Materials</i> , 2009, 25, 1446-1452.	3.5	34
134	Temperature-sensitive Simultaneous Interpenetrating Polymeric Networks With Improved Mechanical Properties and Shrinking Kinetics. <i>Advanced Engineering Materials</i> , 2009, 11, B12.	3.5	8
135	A Method for the Real-Time Observation of Endodermal Cell Behavior on Micropatterned Surfaces. <i>Advanced Engineering Materials</i> , 2009, 11, B106.	3.5	2
136	Formation and Topotactical Orientation of Fibrinogen Nanofibrils on Graphite Nanostructures. <i>Advanced Engineering Materials</i> , 2009, 11, B177.	3.5	14
137	A Practical Approach for Ambient-Pressure Hydrogenations Using Pd on Porous Glass. <i>ChemSusChem</i> , 2009, 2, 77-82.	6.8	42
138	Monodisperse, Temperature-sensitive Microgels Crosslinked by Si- $\text{O}$ -Si Bonds. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 396-404.	3.6	10
139	Multiparametric optimization of polymer solar cells: A route to reproducible high efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 508-513.	6.2	49
140	Temperature-sensitive PVA/PNIPAAm semi-IPN hydrogels with enhanced responsive properties. <i>Acta Biomaterialia</i> , 2009, 5, 488-497.	8.3	192
141	Surface mediated in situ differentiation of mesenchymal stem cells on gene-functionalized titanium films fabricated by layer-by-layer technique. <i>Biomaterials</i> , 2009, 30, 3626-3635.	11.4	81
142	Inkjet printing of laminin gradient to investigate endothelial cellular alignment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 230-235.	5.0	41
143	Effect of $\text{O}_2$ -Plasma Treatment on Surface Characteristics and Osteoblast-Like MG-63 Cells Response of Ti-30Nb-1Fe-1Hf Alloy. <i>Materials Transactions</i> , 2009, 50, 891-898.	1.2	6
144	Surface modification of titanium thin film with chitosan via electrostatic self-assembly technique and its influence on osteoblast growth behavior. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 499-506.	3.6	47

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145	A new strategy to prepare temperature-sensitive poly(N-isopropylacrylamide) microgels. <i>Colloid and Polymer Science</i> , 2008, 286, 1209-1213.	2.1	25
146	A Novel Approach to Prepare Porous Poly(N-isopropylacrylamide) Hydrogel with Superfast Shrinking Kinetics. <i>Macromolecular Rapid Communications</i> , 2008, 29, 593-597.	3.9	46
147	Strain-Induced Phase Morphology in Melt Drawn Ultrathin Highly Oriented Block Copolymer Films. <i>Macromolecular Rapid Communications</i> , 2008, 29, 876-884.	3.9	8
148	Growth of osteoblast-like cells on biomimetic apatite-coated chitosan scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 84B, 7-16.	3.4	47
149	Enhanced Osteoblast Adhesion to Epoxide-Functionalized Surfaces. <i>Advanced Functional Materials</i> , 2008, 18, 1723-1731.	14.9	15
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