

Vinoy Thomas

List of Publications by Year in descending order

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153
papers

5,453
citations

156536

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all docs

156
docs citations

156
times ranked

7602
citing authors

#	ARTICLE	IF	CITATIONS
1	Uni-Directionally Oriented Fibro-Porous PLLA/Fibrin Bio-Hybrid Scaffold: Mechano-Morphological and Cell Studies. <i>Pharmaceutics</i> , 2022, 14, 277.	2.0	6
2	Future of nanotechnology in tissue engineering. , 2022, , 193-236.		1
3	Recent mitigation strategies in engineered healthcare materials towards antimicrobial applications. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100377.	1.8	3
4	Plasma Electroless Reduction: A Green Process for Designing Metallic Nanostructure Interfaces onto Polymeric Surfaces and 3D Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25065-25079.	4.0	7
5	2D materials as a diagnostic platform for the detection and sensing of the SARS-CoV-2 virus: a bird's-eye view. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4608-4619.	2.9	21
6	Muscle tissue engineering – A materials perspective. , 2021, , 249-274.		0
7	Nanomaterial-Based Bio Scaffolds for Enhanced Biomedical Applications. , 2021, , 125-160.		1
8	Nanoscience and quantum science-led biocidal and antiviral strategies. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7328-7346.	2.9	8
9	Tissue Engineering Strategies for Retina Regeneration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2154.	1.3	17
10	Nonthermal plasma processing for nanostructured biomaterials and tissue engineering scaffolds: A mini review. <i>Current Opinion in Biomedical Engineering</i> , 2021, 17, 100259.	1.8	10
11	Harnessing additive manufacturing for magnesium-based metallic bioimplants: Recent advances and future perspectives. <i>Current Opinion in Biomedical Engineering</i> , 2021, 17, 100264.	1.8	16
12	Low-temperature inductively coupled plasma as a method to promote biomineralization on 3D printed poly(lactic acid) scaffolds. <i>Journal of Materials Science</i> , 2021, 56, 14717-14728.	1.7	3
13	Novel Poly(ester urethane urea)/Polydioxanone Blends: Electrospun Fibrous Meshes and Films. <i>Molecules</i> , 2021, 26, 3847.	1.7	5
14	Effect of temperature and frequency on the dielectric properties of cellulose nanofibers from cotton. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21213-21224.	1.1	5
15	Kink-free electrospun PET/PU-based vascular grafts with 3D-printed additive manufacturing reinforcement. <i>Journal of Materials Research</i> , 2021, 36, 4013-4023.	1.2	5
16	Patterning of Nano-Hydroxyapatite onto SiO ₂ and Electro-spun Mat Surfaces Using Dip-Pen Nanolithography. <i>Journal of Molecular Structure</i> , 2021, 1237, 130320.	1.8	3
17	PLA/HA Multiscale Nano-/Micro-Hybrid 3D Scaffolds Provide Inductive Cues to Stems Cells to Differentiate into an Osteogenic Lineage. <i>Jom</i> , 2021, 73, 3787.	0.9	2
18	Magnetic and Fluorescent Nanogels for Nanomedicine. <i>Gels Horizons: From Science To Smart Materials</i> , 2021, , 73-105.	0.3	1

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19	Eco-friendly thermal insulation material from cellulose nanofibre. Journal of Applied Polymer Science, 2020, 137, 48272.	1.3	14
20	Plasmon Based Cellulose Nano Fibril-PVA Film for Effective Ultra Violet Radiation Blocking. Journal of Cluster Science, 2020, 31, 1147-1154.	1.7	5
21	Tissue engineering of small-diameter vascular grafts. , 2020, , 79-100.		5
22	Synthesis, characterization and evaluation of tunable thermal diffusivity of phosphorus-doped carbon nanodot. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	5
23	HuBiogel incorporated fibro-porous hybrid nanomatrix graft for vascular tissue interfaces. Materials Today Chemistry, 2020, 17, 100323.	1.7	9
24	Dusty-Plasma-Assisted Synthesis of Silica Nanoparticles for in Situ Surface Modification of 3D-Printed Polymer Scaffolds. ACS Applied Nano Materials, 2020, 3, 7392-7396.	2.4	11
25	Fibro-porous PLLA/gelatin composite membrane doped with cerium oxide nanoparticles as bioactive scaffolds for future angiogenesis. Journal of Materials Chemistry B, 2020, 8, 9110-9120.	2.9	33
26	Science-Based Strategies of Antiviral Coatings with Viricidal Properties for the COVID-19 Like Pandemics. Materials, 2020, 13, 4041.	1.3	71
27	Finite Element Modeling of the Fiber-Matrix Interface in Polymer Composites. Journal of Composites Science, 2020, 4, 58.	1.4	19
28	Dietary Oxalate Induces Urinary Nanocrystals in Humans. Kidney International Reports, 2020, 5, 1040-1051.	0.4	9
29	Advanced Manufacturing for Biomaterials and Biological Materials, Part II. Jom, 2020, 72, 1432-1434.	0.9	0
30	Non-equilibrium organosilane plasma polymerization for modulating the surface of PTFE towards potential blood contact applications. Journal of Materials Chemistry B, 2020, 8, 2814-2825.	2.9	16
31	Advanced Manufacturing for Biomaterials and Biological Materials, Part I. Jom, 2020, 72, 1151-1153.	0.9	2
32	Metal free, phosphorus doped carbon nanodot mediated photocatalytic reduction of methylene blue. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 1131-1143.	0.8	10
33	Evaluation of Viscoelastic Properties, Blood Coagulation, and Cellular Responses of a Temperature-Sensitive Gel for Hemostatic Application. ACS Applied Bio Materials, 2020, 3, 3137-3144.	2.3	4
34	Polymeric Nanogels for Theranostic Applications: A Mini-Review. Current Nanoscience, 2020, 16, 392-398.	0.7	13
35	Non-equilibrium hybrid organic plasma processing for superhydrophobic PTFE surface towards potential bio-interface applications. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110463.	2.5	16
36	Nonlinear optical limiting and dual beam mode matched thermal lensing of nano fluids containing green synthesized copper nanoparticles. Journal of Molecular Liquids, 2019, 279, 63-66.	2.3	20

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37	Nonlinear optical studies of calcium tartrate crystals. Journal of Taibah University for Science, 2019, 13, 611-615.	1.1	0
38	Vimentin intermediate filament assembly regulates fibroblast invasion in fibrogenic lung injury. JCI Insight, 2019, 4, .	2.3	69
39	Nanocellulose based functional materials for supercapacitor applications. Journal of Science: Advanced Materials and Devices, 2019, 4, 333-340.	1.5	47
40	Tunable light emission using crystalline carbon dots. Journal of Optics (India), 2019, 48, 288-293.	0.8	5
41	Novel magneto-plasma processing for enhanced modification of electrospun biomaterials. Materials Letters, 2019, 250, 96-98.	1.3	5
42	New Magneto-Fluorescent Hybrid Polymer Nanogel for Theranostic Applications. ACS Applied Bio Materials, 2019, 2, 757-768.	2.3	27
43	Fiber length and concentration: Synergistic effect on mechanical and cellular response in wet-laid poly(lactic acid) fibrous scaffolds. , 2019, 107, 332-341.		9
44	Green Synthesized Plasmonic Silver Systems for Potential Non-Linear Optical Applications: Optical Limiting and Dual Beam Mode Matched Thermal Lensing. Australian Journal of Chemistry, 2019, 72, 460.	0.5	1
45	Low-Temperature Air Plasma Modification of Electrospun Soft Materials and Bio-interfaces. Minerals, Metals and Materials Series, 2019, , 819-826.	0.3	1
46	Adhesion of Human Umbilical Vein Endothelial Cells (HUVEC) on PTFE Material Following Surface Modification by Low Temperature Plasma Treatment. FASEB Journal, 2019, 33, 603.3.	0.2	0
47	Optical characterization and Judd-Ofelt analysis of Pr 3+ ions in sol-gel derived zirconia/polyethylene glycol composite. Optical Materials, 2018, 76, 184-190.	1.7	1
48	Morphology dependent nonlinear optical and photocatalytic activity of anisotropic plasmonic silver. RSC Advances, 2018, 8, 41288-41298.	1.7	14
49	Novel Biomimetic Microphysiological Systems for Tissue Regeneration and Disease Modeling. Advances in Experimental Medicine and Biology, 2018, 1077, 87-113.	0.8	3
50	A combined compression molding, heating, and leaching process for fabrication of micro-porous poly(μ -caprolactone) scaffolds. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1978-1993.	1.9	8
51	Nanodiamonds as "magic bullets" for prostate cancer theranostics. , 2018, , 333-356.		4
52	Atmospheric pressure plasma jet: A facile method to modify the intimal surface of polymeric tubular conduits. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	0.9	15
53	Characterization of discontinuous carbon fiber liquid molded PA-6 composites via strategic placement of additional reinforcements. Journal of Reinforced Plastics and Composites, 2018, 37, 1335-1345.	1.6	4
54	Hemopressin-Based pH-Sensitive Hydrogel: A Potential Bioactive Platform for Drug Delivery. ACS Biomaterials Science and Engineering, 2018, 4, 2435-2442.	2.6	10

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55	Portable perfusion phantom for quantitative ^{67}Ga -DCE-MRI of the abdomen. Medical Physics, 2017, 44, 5198-5209.	1.6	20
56	Ceramic Coatings in Load-Bearing Articulating Joint Implants. , 2017, , 315-347.		3
57	Optical analysis of samarium doped sodium bismuth silicate glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 144-148.	2.0	38
58	Biphasic organo-bioceramic fibrous composite as a biomimetic extracellular matrix for bone tissue regeneration. Frontiers in Bioscience - Elite, 2017, 9, 192-203.	0.9	4
59	Insight into Oral Biofilm: Primary, Secondary and Residual Caries and Phyto-Challenged Solutions. Open Dentistry Journal, 2017, 11, 312-333.	0.2	58
60	Nano and Microbubble Systems for On-Demand Cancer Drug Delivery. Current Nanoscience, 2017, 14, 33-41.	0.7	4
61	Dimensionally stable and bioactive membrane for guided bone regeneration: An <i>in vitro</i> study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 594-605.	1.6	30
62	Lab-on-a-brane: nanofibrous polymer membranes to recreate organâ€capillary interfaces. Journal of Micromechanics and Microengineering, 2016, 26, 035013.	1.5	10
63	Nanofiber and Stem Cell Enabled Biomimetic Systems and Regenerative Medicine. Journal of Nanoscience and Nanotechnology, 2016, 16, 8923-8934.	0.9	6
64	Spectral and Non Radiative Decay Studies of Lead Di Bromide Single Crystals by Mode Matched Thermal Lens Technique. Journal of Fluorescence, 2016, 26, 1161-1165.	1.3	6
65	Spectral and Lensing Characteristics of Gel-Derived Strontium Tartrate Single Crystals Using Dual-Beam Thermal Lens Technique. Journal of Fluorescence, 2016, 26, 1549-1554.	1.3	2
66	Wet-laid soy fiber reinforced hydrogel scaffold: Fabrication, mechano-morphological and cell studies. Materials Science and Engineering C, 2016, 63, 308-316.	3.8	24
67	Evidence for enhanced optical properties through plasmon resonance energy transfer in silver silica nanocomposites. Nanotechnology, 2016, 27, 085701.	1.3	10
68	Juddâ€Ofelt analysis of Pr^{3+} ions in $\text{Sr}_{1.5}\text{Ca}_{0.5}\text{SiO}_4$ and $\text{Sr}_{0.5}\text{Ca}_{0.5}\text{TiO}_3$ host matrices. Optical Materials, 2016, 51, 62-69.	1.7	13
69	Dimensionally Stable Fiber-Reinforced Hydrogels for Tissue Engineering Scaffolds. Current Tissue Engineering, 2016, 05, 1-1.	0.2	1
70	Biohybrid Fibro-Porous Vascular Scaffolds: Effect of Crosslinking on Properties. Materials Research Society Symposia Proceedings, 2015, 1718, 79-84.	0.1	5
71	Fluorescence Studies of Dy^{3+} Ions in Silica Sol Gel. Asian Journal of Chemistry, 2015, 27, 1626-1630.	0.1	1
72	Membranes for Periodontal Regeneration - A Materials Perspective. Frontiers of Oral Biology, 2015, 17, 90-100.	1.5	64

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73	In vitro degradation and cell attachment studies of a new electrospun polymeric tubular graft. <i>Progress in Biomaterials</i> , 2015, 4, 67-76.	1.8	11
74	Fibroâ€porous poliglecaprone/polycaprolactone conduits: synergistic effect of composition and <i>in vitro</i> degradation on mechanical properties. <i>Polymer International</i> , 2015, 64, 547-555.	1.6	18
75	Plasmonic and Energy Studies of Ag Nanoparticles in Silica-Titania Hosts. <i>Plasmonics</i> , 2014, 9, 631-636.	1.8	9
76	Spatially controlled fabrication of a bright fluorescent nanodiamond-array with enhanced far-red Si-V luminescence. <i>Nanotechnology</i> , 2014, 25, 045302.	1.3	26
77	Nanofiber scaffold gradients for interfacial tissue engineering. <i>Journal of Biomaterials Applications</i> , 2013, 27, 695-705.	1.2	58
78	Electrospun polycaprolactone/polyglyconate blends: Miscibility, mechanical behavior, and degradation. <i>Polymer</i> , 2013, 54, 6824-6833.	1.8	28
79	Synthesis and Evaluation of Carboxyâ€Terminated Poly(trimethylene propane) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (M Technology, 2013, 32, .	0.8	0
80	Nanostructured diamond coatings for orthopaedic applications. , 2013, 2013, 105-150.		18
81	Structural and plasmonic studies of Ag nanoparticles in silica glass hosts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 43, 012005.	0.3	0
82	Sol-Gel Synthesis and Spectroscopic Analysis of Chromium in Sol Gel Silica. <i>Asian Journal of Chemistry</i> , 2013, 25, 6767-6770.	0.1	0
83	Direct Solâ€Gel Electrospinning of Fibrous Bioglass Scaffolds for Bone Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2013, 3, 440-447.	0.0	7
84	Carbon Nanofiber Reinforced Polycaprolactone Fibrous Meshes by Electrostatic Co-spinning. <i>Current Nanoscience</i> , 2012, 8, 753-761.	0.7	6
85	In vitro studies on the effect of particle size on macrophage responses to nanodiamond wear debris. <i>Acta Biomaterialia</i> , 2012, 8, 1939-1947.	4.1	88
86	Recent advances in the development of GTR/GBR membranes for periodontal regenerationâ€A materials perspective. <i>Dental Materials</i> , 2012, 28, 703-721.	1.6	555
87	Spatially Designed Nanofibrous Membranes for Periodontal Tissue Regeneration. , 2012, , 141-168.		0
88	Engineering an antiplatelet adhesion layer on an electrospun scaffold using porcine endothelial progenitor cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 145-151.	2.1	26
89	Biodegradable polyurethanes: Comparative study of electrospun scaffolds and films. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3292-3299.	1.3	17
90	A novel spatially designed and functionally graded electrospun membrane for periodontal regeneration. <i>Acta Biomaterialia</i> , 2011, 7, 216-224.	4.1	202

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91	Electrospinning of Biosyn [®] -based tubular conduits: Structural, morphological, and mechanical characterizations. <i>Acta Biomaterialia</i> , 2011, 7, 2070-2079.	4.1	28
92	Nanocomposite Scaffolds Based on Electrospun Polycaprolactone/Modified CNF/Nanohydroxyapatite by Electrophoretic Deposition. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011, 1, 177-184.	0.0	4
93	Mesenchymal Stem Cell Responses to Bone-Mimetic Electrospun Matrices Composed of Polycaprolactone, Collagen I and Nanoparticulate Hydroxyapatite. <i>PLoS ONE</i> , 2011, 6, e16813.	1.1	86
94	Two ply tubular scaffolds comprised of proteins/poliglecaprone/polycaprolactone fibers. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 541-549.	1.7	37
95	Acellular dermal matrix graft: Synergistic effect of rehydration and natural crosslinking on mechanical properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 276-282.	1.6	28
96	Aligned Bioactive Multi-Component Nanofibrous Nanocomposite Scaffolds for Bone Tissue Engineering. <i>Macromolecular Bioscience</i> , 2010, 10, 433-444.	2.1	79
97	Effect of silver nanoparticles on the dielectric properties of holmium doped silica glass. <i>Physica B: Condensed Matter</i> , 2010, 405, 1513-1517.	1.3	13
98	An in vitro regenerated functional human endothelium on a nanofibrous electrospun scaffold. <i>Biomaterials</i> , 2010, 31, 4376-4381.	5.7	85
99	A new generation of high flex life polyurethane urea for polymer heart valve—Studies on <i>in vivo</i> biocompatibility and biodurability. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 192-205.	2.1	22
100	Freeze-dried acellular dermal matrix graft: Effects of rehydration on physical, chemical, and mechanical properties. <i>Dental Materials</i> , 2009, 25, 1109-1115.	1.6	53
101	<i>In vitro</i> biodegradation of designed tubular scaffolds of electrospun protein/polyglyconate blend fibers. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 89B, 135-147.	1.6	44
102	A biomimetic tubular scaffold with spatially designed nanofibers of protein/PDS [®] blends. <i>Biotechnology and Bioengineering</i> , 2009, 104, 1025-1033.	1.7	78
103	Aligned PLGA/HA nanofibrous nanocomposite scaffolds for bone tissue engineering. <i>Acta Biomaterialia</i> , 2009, 5, 305-315.	4.1	352
104	Electrospinning of novel biodegradable poly(ester urethane)s and poly(ester urethane urea)s for soft tissue-engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2129-2137.	1.7	51
105	Fabrication and characterization of aligned nanofibrous PLGA/Collagen blends as bone tissue scaffolds. <i>Polymer</i> , 2009, 50, 3778-3785.	1.8	163
106	Cell Interactions with Biomaterials Gradients and Arrays. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 544-553.	0.6	24
107	Nanomechanical Properties of Electrospun Composite Scaffolds Based on Polycaprolactone and Hydroxyapatite. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4839-4845.	0.9	23
108	Biomechanical studies on aliphatic physically crosslinked poly(urethane urea) for blood contact applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2721-2733.	1.7	11

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109	Hydroxyapatite nanoparticle loaded collagen fiber composites: Microarchitecture and nanoindentation study. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 873-882.	2.1	50
110	Functionally graded electrospun scaffolds with tunable mechanical properties for vascular tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2007, 2, 224-232.	1.7	99
111	Morphology and mechanical properties of Nylon 6/MWNT nanofibers. <i>Polymer</i> , 2007, 48, 1096-1104.	1.8	165
112	Nanostructured Biocomposite Scaffolds Based on Collagen Coelectrospun with Nanohydroxyapatite. <i>Biomacromolecules</i> , 2007, 8, 631-637.	2.6	241
113	Mechano-morphological studies of aligned nanofibrous scaffolds of polycaprolactone fabricated by electrospinning. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 969-984.	1.9	169
114	Effect of Surface Oxides and Intermetallics on Nanostructured Diamond Coating of Nitinol. <i>Current Nanoscience</i> , 2006, 2, 9-12.	0.7	5
115	Prehospital Electrocardiogram and Early Helicopter Dispatch to Expedite Interfacility Transfer for Percutaneous Coronary Intervention. <i>Critical Pathways in Cardiology</i> , 2006, 5, 155-159.	0.2	17
116	Structural and optical characterization of Eu ³⁺ /CdSe nanocrystal containing silica glass. <i>Materials Chemistry and Physics</i> , 2006, 96, 381-387.	2.0	28
117	Electrospun Bioactive Nanocomposite Scaffolds of Polycaprolactone and Nanohydroxyapatite for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 487-493.	0.9	127
118	Nanostructured Biomaterials for Regenerative Medicine. <i>Current Nanoscience</i> , 2006, 2, 155-177.	0.7	132
119	Nanoindentation on Porous Bioceramic Scaffolds for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1816-1820.	0.9	18
120	Radiative parameters of Eu ³⁺ ions in CdSe nanocrystal containing silica matrices. <i>Physica B: Condensed Matter</i> , 2005, 357, 270-276.	1.3	11
121	Structural Evolution and Fluorescence Properties of Dy ³⁺ : Silica Matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 33, 269-274.	1.1	5
122	Compositionally Modified Hydroxyapatite Nanocrystals for Polymer/Ceramic Scaffold Applications. <i>Materials Research Society Symposia Proceedings</i> , 2005, 897, 1.	0.1	0
123	Upconversion fluorescence in Sm ³⁺ -doped zinc phosphate glassy matrix. <i>Journal of Modern Optics</i> , 2005, 52, 2687-2694.	0.6	3
124	Optical Characterization of Eu ³⁺ -Ions in CdSe Nanocrystal Containing Silica Glass. <i>Journal of Fluorescence</i> , 2004, 14, 733-738.	1.3	26
125	Energy transfer in Sm ³⁺ :Eu ³⁺ system in zinc sodium phosphate glasses. <i>Optical Materials</i> , 2004, 24, 671-677.	1.7	128
126	Studies on the growth and optical characterization of dysprosium gadolinium oxalate single crystals. <i>Crystal Research and Technology</i> , 2004, 39, 105-110.	0.6	20

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127	Spectroscopic characterization of chromium in sol-gel derived silica. <i>Materials Chemistry and Physics</i> , 2003, 77, 826-830.	2.0	6
128	Sensitized fluorescence of Ce ³⁺ /Mn ²⁺ system in phosphate glass. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 841-846.	1.9	701
129	NIR to UV absorption spectra and the optical constants of phthalocyanines in glassy medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 1-11.	2.0	36
130	Application of a modified Judd-Ofelt theory to Pr ³⁺ doped phosphate glasses and the evaluation of radiative properties. <i>Journal of Non-Crystalline Solids</i> , 2003, 319, 89-94.	1.5	25
131	Fluorescence enhancement from Eu ³⁺ ions in CdSe nanocrystal containing silica matrix hosts. <i>Materials Letters</i> , 2003, 57, 1051-1055.	1.3	21
132	Structural evolution and fluorescence properties of Dy ³⁺ : silica matrix. , 2002, 4905, 560.		0
133	Optical properties of porphyrins in borate glassy matrix. <i>Materials Chemistry and Physics</i> , 2002, 73, 206-211.	2.0	20
134	Spectroscopic studies of Cu ²⁺ ions in sol-gel derived silica matrix. <i>Bulletin of Materials Science</i> , 2002, 25, 69-74.	0.8	32
135	Energy transfer in Rh 6G:Rh B system in PMMA matrix under cw laser excitation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 153, 145-151.	2.0	27
136	The effect of virtual cross linking on the oxidative stability and lipid uptake of aliphatic poly(urethane urea). <i>Biomaterials</i> , 2002, 23, 273-282.	5.7	16
137	In Vitro Studies on the Effect of Physical Cross-Linking on the Biological Performance of Aliphatic Poly(urethane urea) for Blood Contact Applications. <i>Biomacromolecules</i> , 2001, 2, 588-596.	2.6	51
138	Polypropylene fumarate/phloroglucinol triglycidyl methacrylate blend for use as partially biodegradable orthopaedic cement. <i>Biomaterials</i> , 2001, 22, 2749-2757.	5.7	24
139	Studies on the effect of virtual crosslinking on the hydrolytic stability of novel aliphatic polyurethane ureas for blood contact applications. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 144-157.	3.0	18
140	Studies on polyurethane potting compound based on HDI-TMP adduct for fabrication of haemodialyzer. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 157-161.	1.7	1
141	Synthesis of hydrolytically stable low elastic modulus polyurethane-urea for biomedical applications. <i>Polymer International</i> , 2000, 49, 88-92.	1.6	37
142	Studies on Polyurethane Potting Compound Based on Isocyanurate of Aliphatic Diisocyanate for Fabrication of a Haemodialyser. <i>Journal of Biomaterials Applications</i> , 2000, 15, 86-105.	1.2	7
143	Synthesis of hydrolytically stable low elastic modulus polyurethane-urea for biomedical applications. , 2000, 49, 88.		1
144	A tensile stage to study thin polymer films in an environmental scanning electron microscope. <i>Review of Scientific Instruments</i> , 1998, 69, 463-465.	0.6	1

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145	<title>Nonlinear optical properties of copolyesters containing azobenzene functionality and chiral groups</title>. , 1998, 3321, 418.		1
146	Mechanical Behavior of Polyester Nonwoven Composite Films. Journal of Plastic Film and Sheeting, 1997, 13, 212-220.	1.3	5
147	The fracture toughness of a fiber reinforced polymeric film. , 1996, , .		0
148	The Effect of Fiber Coating on the Temperature Dependence of the Elastic and Anelastic Properties of a Fiber-Reinforced Borosilicate Glass Matrix Composite. Journal of Testing and Evaluation, 1996, 24, 237-240.	0.4	0
149	Measurement of young's modulus and damping as a function of temperature in a borosilicate glass-matrix composite with continuous ceramic fibres. Journal of Materials Science Letters, 1995, 14, 1555-1557.	0.5	2
150	Measuring the viscoelastic properties of an ethylene4-tetrafluoroethylene copolymer at ultrasonic frequencies. Polymer Engineering and Science, 1995, 35, 1053-1060.	1.5	1
151	A rheometer to measure the viscoelastic properties of polymer melts at ultrasonic frequencies. Review of Scientific Instruments, 1994, 65, 2395-2401.	0.6	10
152	The relation of dynamic elastic moduli, mechanical damping and mass density to the microstructure of some glass-matrix composites. Journal of Materials Science, 1994, 29, 1670-1675.	1.7	9
153	A single quartz crystal to measure dynamic elastic moduli at several ultrasonic frequencies. Review of Scientific Instruments, 1993, 64, 492-494.	0.6	9