

GÃ¼zde Ä°nce

List of Publications by Year in descending order

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52
papers

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257450

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docs citations

53
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Vapor Deposition of Conformal, Functional, and Responsive Polymer Films. <i>Advanced Materials</i> , 2010, 22, 1993-2027.	21.0	329
2	Surface-Tethered Zwitterionic Ultrathin Antifouling Coatings on Reverse Osmosis Membranes by Initiated Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2011, 23, 1263-1272.	6.7	244
3	CVD of polymeric thin films: applications in sensors, biotechnology, microelectronics/organic electronics, microfluidics, MEMS, composites and membranes. <i>Reports on Progress in Physics</i> , 2012, 75, 016501.	20.1	152
4	Real-time x-ray studies of Mo-seeded Si nanodot formation during ion bombardment. <i>Applied Physics Letters</i> , 2005, 87, 163104.	3.3	126
5	Transition between kinetic and mass transfer regimes in the initiated chemical vapor deposition from ethylene glycol diacrylate. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 1135-1143.	2.1	81
6	Effects of Mo seeding on the formation of Si nanodots during low-energy ion bombardment. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 551-558.	1.3	64
7	Surface modification of reverse osmosis desalination membranes by thin-film coatings deposited by initiated chemical vapor deposition. <i>Thin Solid Films</i> , 2013, 539, 181-187.	1.8	59
8	Responsive Microgrooves for the Formation of Harvestable Tissue Constructs. <i>Langmuir</i> , 2011, 27, 5671-5679.	3.5	57
9	Fabrication and characterization of temperature and pH resistant thin film nanocomposite membranes embedded with halloysite nanotubes for dye rejection. <i>Desalination</i> , 2018, 429, 20-32.	8.2	57
10	Highly swellable free-standing hydrogel nanotube forests. <i>Soft Matter</i> , 2010, 6, 1635.	2.7	55
11	Tunable Conformality of Polymer Coatings on High Aspect Ratio Features. <i>Chemical Vapor Deposition</i> , 2010, 16, 100-105.	1.3	50
12	Single-Chamber Deposition of Multilayer Barriers by Plasma Enhanced and Initiated Chemical Vapor Deposition of Organosilicones. <i>Plasma Processes and Polymers</i> , 2010, 7, 561-570.	3.0	50
13	Microworm optode sensors limit particle diffusion to enable in vivo measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2656-2661.	7.1	50
14	Cell sheet based bioink for 3D bioprinting applications. <i>Biofabrication</i> , 2017, 9, 024105.	7.1	47
15	Wavelength tunability of ion-bombardment-induced ripples on sapphire. <i>Physical Review B</i> , 2007, 75, .	3.2	42
16	In situ x-ray studies of native and Mo-seeded surface nanostructuring during ion bombardment of Si(100). <i>Journal of Physics Condensed Matter</i> , 2009, 21, 224008.	1.8	41
17	A stimuli-responsive coaxial nanofilm for burst release. <i>Soft Matter</i> , 2011, 7, 638-643.	2.7	39
18	One-Dimensional Surface-Imprinted Polymeric Nanotubes for Specific Biorecognition by Initiated Chemical Vapor Deposition (iCVD). <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6447-6452.	8.0	37

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19	Smart membranes with pH-responsive control of macromolecule permeability. <i>Journal of Membrane Science</i> , 2017, 537, 255-262.	8.2	33
20	Mechanisms of pattern formation and smoothing induced by ion-beam erosion. <i>Physical Review B</i> , 2008, 78, .	3.2	30
21	Flexible Cross-Linked Organosilicon Thin Films by Initiated Chemical Vapor Deposition. <i>Macromolecules</i> , 2009, 42, 8138-8145.	4.8	30
22	Electrospun Nanofibers With pH-Responsive Coatings for Control of Release Kinetics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 309.	4.1	30
23	Light-Driven Unidirectional Liquid Motion on Anisotropic Gold Nanorod Arrays. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500226.	3.7	26
24	Flow Boiling Enhancement in Microtubes With Crosslinked pHEMA Coatings and the Effect of Coating Thickness. <i>Journal of Heat Transfer</i> , 2014, 136, .	2.1	25
25	Boiling heat transfer enhancement in mini/microtubes via polyhydroxyethylmethacrylate (pHEMA) coatings on inner microtube walls at high mass fluxes. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 115017.	2.6	23
26	Transfer printing gold nanoparticle arrays by tuning the surface hydrophilicity of thermo-responsive poly N-isopropylacrylamide (pNIPAAm). <i>Nanoscale</i> , 2017, 9, 2969-2973.	5.6	22
27	Protein gating by vapor deposited Janus membranes. <i>Journal of Membrane Science</i> , 2019, 575, 126-134.	8.2	21
28	Initiated Chemical Vapor Deposition and Light-Responsive Cross-Linking of Poly(vinyl cinnamate) Thin Films. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1345-1350.	3.9	20
29	Multifunctional one-dimensional polymeric nanostructures for drug delivery and biosensor applications. <i>Nanotechnology</i> , 2019, 30, 412001.	2.6	19
30	Transition behavior of surface morphology evolution of Si(100) during low-energy normal-incidence Ar ⁺ ion bombardment. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	17
31	Random copolymer films as potential antifouling coatings for reverse osmosis membranes. <i>Desalination and Water Treatment</i> , 2011, 34, 100-105.	1.0	17
32	Thermal Stability of Acrylic/Methacrylic Sacrificial Copolymers Fabricated by Initiated Chemical Vapor Deposition. <i>Journal of the Electrochemical Society</i> , 2010, 157, D41.	2.9	15
33	Permeability of small molecules through vapor deposited polymer membranes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	15
34	Coaxial nanotubes of stimuli responsive polymers with tunable release kinetics. <i>Soft Matter</i> , 2015, 11, 8069-8075.	2.7	14
35	Pool Boiling Heat Transfer Characteristics of Inclined pHEMA-Coated Surfaces. <i>Journal of Heat Transfer</i> , 2017, 139, .	2.1	14
36	Real-time synchrotron x-ray studies of low- and high-temperature nitridation of c-plane sapphire. <i>Physical Review B</i> , 2006, 74, .	3.2	13

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37	Real-time X-ray studies of the growth of Mo-seeded Si nanodots by low-energy ion bombardment. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 47-54.	1.4	12
38	Shape Memory Polymer Thin Films Deposited by Initiated Chemical Vapor Deposition. Macromolecules, 2010, 43, 8344-8347.	4.8	11
39	Enhancemet of flow boiling heat transfer in pHEMA/pPFDA coated microtubes with longitudinal variations in wettability. AIP Advances, 2016, 6, 035212.	1.3	10
40	Subcooled flow boiling heat transfer enhancement using polyperfluorodecylacrylate (pPFDA) coated microtubes with different coating thicknesses. Experimental Thermal and Fluid Science, 2017, 86, 130-140.	2.7	10
41	Real-time x-ray studies of gallium adsorption and desorption. Journal of Applied Physics, 2006, 100, 084307.	2.5	6
42	Synthesis of coaxial nanotubes of polyaniline and poly(hydroxyethyl methacrylate) by oxidative/initiated chemical vapor deposition. Beilstein Journal of Nanotechnology, 2017, 8, 872-882.	2.8	6
43	A facile method for fabrication of responsive micropatterned surfaces. Smart Materials and Structures, 2014, 23, 095020.	3.5	5
44	Encapsulation of interdigitated electrodes by PTFE coatings via closed batch initiated chemical vapor deposition. Vacuum, 2022, 195, 110691.	3.5	5
45	Functional Nanotubes for Triggered Release of Molecules. Nanoscience and Nanotechnology Letters, 2015, 7, 79-83.	0.4	4
46	Dual stimuli-responsive nanocarriers via a facile batch emulsion method for controlled release of Rose Bengal. Journal of Drug Delivery Science and Technology, 2022, 74, 103547.	3.0	2
47	An Experimental Study on Flow Boiling Characteristics of pHEMA Nano-Coated Surfaces in a Microchannel. , 2016, , .		1
48	Vapor phase synthesis of ferroelectric microislands on PVDF thin films. Nanotechnology, 2021, 32, 435601.	2.6	1
49	Flow Boiling Enhancement in Microtubes With Crosslinked pHEMA Coatings. , 2013, , .		0
50	Editorial: One- and Two-Dimensional Nanostructures for Drug Delivery Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 782615.	4.1	0
51	Fabrication of 3D Bone Scaffolds Functionalized With Spatiotemporal Release of BMP-2 Growth Factor via iCVD to Enhance Osteoregeneration. , 2020, , .		0
52	Fabrication and Analysis of Surface Functionalized Porous PCL-nHA Scaffolds With P(HEMA-co-EGDMA) Hydrogel via iCVD and BMP-2 Release Simulation. , 2020, , .		0