

Voravee P Hoven

List of Publications by Year in descending order

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49
papers

1,478
citations

279798

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315739

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49
all docs

49
docs citations

49
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	Amphiphilic quaternized chitosan: Synthesis, characterization, and anti-cariogenic biofilm property. Carbohydrate Polymers, 2022, 277, 118882.	10.2	31
2	Conductive electrospun composite fibers based on solid-state polymerized Poly(3,4-ethylenedioxythiophene) for simultaneous electrochemical detection of metal ions. Talanta, 2022, 241, 123253.	5.5	23
3	Amphiphilic Chitosan Bearing Double Palmitoyl Chains and Quaternary Ammonium Moieties as a Nanocarrier for Plasmid DNA. ACS Omega, 2022, 7, 10056-10068.	3.5	3
4	Bacterial cellulose-based re-swelling hydrogel: Facile preparation and its potential application as colorimetric sensor of sweat pH and glucose. Carbohydrate Polymers, 2021, 256, 117506.	10.2	52
5	Core-functionalized nanoaggregates: preparation <i>via</i> polymerization-induced self-assembly and their applications. New Journal of Chemistry, 2021, 45, 12776-12791.	2.8	8
6	Upper Critical Solution Temperature Behavior of pH-Responsive Amphoteric Statistical Copolymers in Aqueous Solutions. ACS Omega, 2021, 6, 9153-9163.	3.5	9
7	Nickel-Based Water-Soluble Metallopolymer for the Electrochemical Hydrogen Evolution Reaction in Neutral-pH Water. ACS Applied Polymer Materials, 2021, 3, 5051-5060.	4.4	2
8	Simple Colorimetric Assay for <i>Vibrio parahaemolyticus</i> Detection Using Aptamer-Functionalized Nanoparticles. ACS Omega, 2020, 5, 21437-21442.	3.5	22
9	Bacterial cellulose membrane conjugated with plant-derived osteopontin: Preparation and its potential for bone tissue regeneration. International Journal of Biological Macromolecules, 2020, 149, 51-59.	7.5	42
10	Protein patterning with antifouling polymer gel platforms generated using visible light irradiation. Chemical Communications, 2020, 56, 5472-5475.	4.1	8
11	Sequential post-polymerization modification of a pentafluorophenyl ester-containing homopolymer: a convenient route to effective pH-responsive nanocarriers for anticancer drugs. Journal of Materials Chemistry B, 2020, 8, 454-464.	5.8	17
12	Clickable Zwitterionic Copolymer as a Universal Biofilm-Resistant Coating. Macromolecular Materials and Engineering, 2019, 304, 1900286.	3.6	5
13	Disposable paper-based electrochemical sensor using thiol-terminated poly(2-methacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overl 472.	5.0	43
14	Surface-immobilized plant-derived osteopontin as an effective platform to promote osteoblast adhesion and differentiation. Colloids and Surfaces B: Biointerfaces, 2019, 173, 816-824.	5.0	7
15	Filter paper grafted with epoxide-based copolymer brushes for activation-free peptide nucleic acid conjugation and its application for colorimetric DNA detection. Colloids and Surfaces B: Biointerfaces, 2019, 173, 851-859.	5.0	5
16	Gold Nanorods Stabilized by Biocompatible and Multifunctional Zwitterionic Copolymer for Synergistic Cancer Therapy. Molecular Pharmaceutics, 2018, 15, 164-174.	4.6	13
17	Biocompatible zwitterionic copolymer-stabilized magnetite nanoparticles: a simple one-pot synthesis, antifouling properties and biomagnetic separation. RSC Advances, 2018, 8, 37077-37084.	3.6	5
18	Separation and detection of mutans streptococci by using magnetic nanoparticles stabilized with a cell wall binding domain-conjugated polymer. Analytical Methods, 2018, 10, 3332-3339.	2.7	3

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19	Photocaged PNIPAM: A Light Tunable Thermal Responsive Polymer. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800104.	2.2	16
20	Synthesis of Poly(glycidyl 2-ylidene-acetate) and Functionalization by Nucleophilic Ring-Opening Reactions. <i>Macromolecules</i> , 2017, 50, 1415-1421.	4.8	10
21	Cascade post-polymerization modification of single pentafluorophenyl ester-bearing homopolymer as a facile route to redox-responsive nanogels. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 94-102.	9.4	23
22	Electrospinning and solid state polymerization: A simple and versatile route to conducting PEDOT composite films. <i>European Polymer Journal</i> , 2017, 96, 452-462.	5.4	13
23	Thermoresponsive and Active Functional Fiber Mats for Cultured Cell Recovery. <i>Biomacromolecules</i> , 2017, 18, 3714-3725.	5.4	5
24	The Contribution of IUPAC to Polymer Science Education. <i>Journal of Chemical Education</i> , 2017, 94, 1618-1628.	2.3	2
25	Antifouling Stripes Prepared from Clickable Zwitterionic Copolymers. <i>Langmuir</i> , 2017, 33, 7028-7035.	3.5	27
26	Clickable and Antifouling Platform of Poly[(propargyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (methacrylate)-<i>ran</i>-(2-methacryloyloxyethyl) Phosphorylcholine-Containing Copolymer Brushes. <i>Langmuir</i> , 2016, 32, 1184-1194.	3.5	30
27	Quaternized chitosan particles as ion exchange supports for label-free DNA detection using PNA probe and MALDI-TOF mass spectrometry. <i>Carbohydrate Polymers</i> , 2015, 131, 80-89.	10.2	9
28	Formation of thermo-sensitive and cross-linkable micelles by self-assembly of poly(pentafluorophenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (methacrylate)-<i>ran</i>-(2-methacryloyloxyethyl) Phosphorylcholine-Containing Copolymer Brushes. <i>Langmuir</i> , 2016, 32, 1184-1194.	2.3	21
29	Patterned Poly(acrylic acid) Brushes Containing Gold Nanoparticles for Peptide Detection by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 10738-10746.	6.5	35
30	Activation of stable polymeric esters by using organo-activated acyl transfer reactions. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1353-1358.	2.3	29
31	Poly(N-isopropylacrylamide)-Stabilized Gold Nanoparticles in Combination with Tricationic Branched Phenylene-Ethynylene Fluorophore for Protein Identification. <i>Langmuir</i> , 2013, 29, 12317-12327.	3.5	50
32	Positively charged polymer brush-functionalized filter paper for DNA sequence determination following Dot blot hybridization employing a pyrrolidinyl peptide nucleic acid probe. <i>Analyst</i> , The, 2013, 138, 269-277.	3.5	27
33	Surface-Grafted Poly(acrylic acid) Brushes as a Precursor Layer for Biosensing Applications: Effect of Graft Density and Swellability on the Detection Efficiency. <i>Langmuir</i> , 2012, 28, 5302-5311.	3.5	35
34	Development of a Novel Antifouling Platform for Biosensing Probe Immobilization from Methacryloyloxyethyl Phosphorylcholine-Containing Copolymer Brushes. <i>Langmuir</i> , 2012, 28, 5872-5881.	3.5	51
35	Surface-quaternized chitosan particles as an alternative and effective organic antibacterial material. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 121-129.	5.0	99
36	Multilayer film assembled from charged derivatives of chitosan: Physical characteristics and biological responses. <i>Journal of Colloid and Interface Science</i> , 2012, 376, 177-188.	9.4	32

#	ARTICLE	IF	CITATIONS
37	Tuning Hydrophobicity and Water Adhesion by Electrospinning and Silanization. <i>Langmuir</i> , 2011, 27, 3654-3661.	3.5	51
38	Enhancing antibacterial activity of chitosan surface by heterogeneous quaternization. <i>Carbohydrate Polymers</i> , 2011, 83, 868-875.	10.2	109
39	Introducing surface-tethered poly(acrylic acid) brushes as 3D functional thin film for biosensing applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 198-205.	5.0	31
40	Surface plasmon resonance study of PNA interactions with double-stranded DNA. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1918-1923.	10.1	22
41	Detection of the shrimp pathogenic bacteria, <i>Vibrio harveyi</i> , by a quartz crystal microbalance-specific antibody based sensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 259-264.	7.8	35
42	Comparison of DNA, aminoethylglycyl PNA and pyrrolidinyl PNA as probes for detection of DNA hybridization using surface plasmon resonance technique. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1064-1069.	10.1	60
43	Improving blood compatibility of natural rubber by UV-induced graft polymerization of hydrophilic monomers. <i>Journal of Applied Polymer Science</i> , 2009, 112, 208-217.	2.6	17
44	Synthesis and immobilization of thiolated pyrrolidinyl peptide nucleic acids on gold-coated piezoelectric quartz crystals for the detection of DNA hybridization. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 215-221.	7.8	22
45	Thiolated pyrrolidinyl peptide nucleic acids for the detection of DNA hybridization using surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3544-3549.	10.1	41
46	Immobilization of Biomolecules on the Surface of Electrospun Polycaprolactone Fibrous Scaffolds for Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1076-1085.	8.0	137
47	Polymer brushes in nanopores surrounded by silicon-supported tris(trimethylsiloxy)silyl monolayers. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 446-459.	9.4	10
48	Alternating bioactivity of multilayer thin films assembled from charged derivatives of chitosan. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 331-343.	9.4	37
49	Electrospun mat of tyrosine-derived polycarbonate fibers for potential use as tissue scaffolding material. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 1039-1056.	3.5	94