

# Rigoberto C Advincula

## List of Publications by Citations

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167  
papers

4,243  
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33  
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175  
ext. papers

5,007  
ext. citations

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avg. IF

6.01  
L-index

#	Paper	IF	Citations
167	3D Printing Biocompatible Polyurethane/Poly(lactic acid)/Graphene Oxide Nanocomposites: Anisotropic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4015-4023	9.5	240
166	High performance polymer nanocomposites for additive manufacturing applications. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 103, 141-155	4.6	227
165	3D Printing of Polymer Nanocomposites via Stereolithography. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1600553	3.9	207
164	Self-Assembly and Characterization of Polyaniline and Sulfonated Polystyrene Multilayer-Coated Colloidal Particles and Hollow Shells. <i>Langmuir</i> , <b>2003</b> , 19, 8550-8554	4	167
163	Advances in 3D printing of thermoplastic polymer composites and nanocomposites. <i>Progress in Polymer Science</i> , <b>2019</b> , 98, 101162	29.6	162
162	3D Printing of Photocurable Cellulose Nanocrystal Composite for Fabrication of Complex Architectures via Stereolithography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34314-34324	9.5	150
161	Electropolymerization molecularly imprinted polymer (E-MIP) SPR sensing of drug molecules: pre-polymerization complexed terthiophene and carbazole electroactive monomers. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2766-71	11.8	143
160	Kinetics of the Thermal and Thermo-Oxidative Degradation of a Polystyrene/Clay Nanocomposite. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 498-503	4.8	122
159	Organic Thin Film Transistors Based on Cyclohexyl-Substituted Organic Semiconductors. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3366-3374	9.6	119
158	High-Strength Stereolithographic 3D Printed Nanocomposites: Graphene Oxide Metastability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10085-10093	9.5	101
157	Surface Initiated Polymerization from Nanoparticle Surfaces. <i>Journal of Dispersion Science and Technology</i> , <b>2003</b> , 24, 343-361	1.5	94
156	Grafting of Polymers from Clay Nanoparticles via In Situ Free Radical Surface-Initiated Polymerization: Monocationic versus Bicationic Initiators. <i>Langmuir</i> , <b>2003</b> , 19, 4381-4389	4	94
155	Conjugated Oligothiophene-Dendron-Capped CdSe Nanoparticles: Synthesis and Energy Transfer. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 5187-5193	9.6	89
154	Electropolymerized Molecularly Imprinted Polymer Film: EIS Sensing of Bisphenol A. <i>Macromolecules</i> , <b>2011</b> , 44, 6669-6682	5.5	87
153	Living Anionic Surface-Initiated Polymerization (LASIP) of Styrene from Clay Nanoparticles Using Surface Bound 1,1-Diphenylethylene (DPE) Initiators. <i>Langmuir</i> , <b>2002</b> , 18, 4511-4518	4	84
152	Mechanically Robust, Ultraelastic Hierarchical Foam with Tunable Properties via 3D Printing. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800631	15.6	82
151	3D-printing and advanced manufacturing for electronics. <i>Progress in Additive Manufacturing</i> , <b>2019</b> , 4, 245-267	5	81

150	Inorganic-Organic Thiol-ene Coated Mesh for Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18566-73	9.5	80
149	3D printing for membrane separation, desalination and water treatment. <i>Applied Materials Today</i> , <b>2020</b> , 18, 100486	6.6	74
148	3D Printed Multifunctional, Hyperelastic Silicone Rubber Foam. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900469	15.6	63
147	Grafting Hole-Transport Precursor Polymer Brushes on ITO Electrodes: Surface-Initiated Polymerization and Conjugated Polymer Network Formation of PVK. <i>Macromolecules</i> , <b>2008</b> , 41, 5681-5687	5.5	63
146	Distinct Chemical and Physical Properties of Janus Nanosheets. <i>ACS Nano</i> , <b>2017</b> , 11, 7485-7493	16.7	61
145	Conjugated Polymer Network Films from Precursor Polymers: Electrocopolymerization of a Binary Electroactive Monomer Composition. <i>Macromolecules</i> , <b>2005</b> , 38, 3679-3687	5.5	59
144	Surface-Grafted Polymers from Electropolymerized Polythiophene RAFT Agent. <i>Macromolecules</i> , <b>2011</b> , 44, 966-975	5.5	58
143	Chitosan Cross-Linked Graphene Oxide Nanocomposite Films with Antimicrobial Activity for Application in Food Industry. <i>Macromolecular Symposia</i> , <b>2017</b> , 374, 1600114	0.8	54
142	Stimuli-Responsive Polymers and their Potential Applications in Oil-Gas Industry. <i>Polymer Reviews</i> , <b>2015</b> , 55, 706-733	14	52
141	Reprocessable 3D-Printed Conductive Elastomeric Composite Foams for Strain and Gas Sensing. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 885-892	4.3	45
140	Polymers for proppants used in hydraulic fracturing. <i>Journal of Petroleum Science and Engineering</i> , <b>2016</b> , 145, 154-160	4.4	43
139	Electric Potential Stability and Ionic Permeability of SAMs on Gold Derived from Bidentate and Tridentate Chelating Alkanethiols. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3717-3725	3.8	41
138	Additive manufacturing for COVID-19: Devices, materials, prospects, and challenges. <i>MRS Communications</i> , <b>2020</b> , 10, 413-427	2.7	40
137	Solvatochromic, thermochromic and pH-sensory DCDHF-hydrazone molecular switch: response to alkaline analytes. <i>RSC Advances</i> , <b>2016</b> , 6, 102296-102305	3.7	37
136	Engineering molecularly imprinted polymer (MIP) materials: Developments and challenges for sensing and separation technologies. <i>Korean Journal of Chemical Engineering</i> , <b>2011</b> , 28, 1313-1321	2.8	37
135	Electrochemically crosslinked surface-grafted PVK polymer brushes as a hole transport layer for organic photovoltaics. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10261		34
134	QCM sensing of bisphenol A using molecularly imprinted hydrogel/conducting polymer matrix. <i>Polymer Journal</i> , <b>2016</b> , 48, 525-532	2.7	33
133	Nanostructured, molecularly imprinted, and template-patterned polythiophenes for chiral sensing and differentiation. <i>Small</i> , <b>2012</b> , 8, 1669-74	11	32

132	3D Printing of a Robust Polyamide-12-Carbon Black Composite via Selective Laser Sintering: Thermal and Electrical Conductivity. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800718	3.9	31
131	Thermo-mechanical and swelling properties of three-dimensional-printed poly (ethylene glycol) diacrylate/silica nanocomposites. <i>MRS Communications</i> , <b>2019</b> , 9, 209-217	2.7	31
130	A Review on Rubber-Enhanced Polymeric Materials. <i>Polymer Reviews</i> , <b>2017</b> , 57, 311-338	14	30
129	Facile Preparation of Photocurable Siloxane Composite for 3D Printing. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1600477	3.9	30
128	Facile approach to graphene oxide and poly(N-vinylcarbazole) electro-patterned films. <i>Chemical Communications</i> , <b>2011</b> , 47, 9810-2	5.8	28
127	Homopolymer and block copolymer brushes on gold by living anionic surface-initiated polymerization in a polar solvent. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 769-782	2.5	28
126	Simultaneous Reduction and Functionalization of Graphene Oxide via Ritter Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14265-14272	9.5	27
125	Grafted carbazole-assisted electrodeposition of graphene oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10266-74	9.5	27
124	Azacalix[3]arene-Carbazole Conjugated Polymer Network Ultrathin Films for Specific Cation Sensing. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4915-4924	9.6	26
123	Three-dimensional-printed molds and materials for injection molding and rapid tooling applications. <i>MRS Communications</i> , <b>2019</b> , 9, 1267-1283	2.7	26
122	Detection of aspartame via microsphere-patterned and molecularly imprinted polymer arrays. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 495, 149-158	5.1	25
121	Nanolithographic patterning via electrochemical oxidation of stable poly(nitroxide radical)s to poly(oxoammonium salt)s. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9616		25
120	Polymer Loops vs. Brushes on Surfaces: Adsorption, Kinetics, and Viscoelastic Behavior of $\mu$ Thiol Telechelics on Gold. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 485-497	2.6	24
119	Nanocomposite Hydrogen-Bonded Multilayer Ultrathin Films by Simultaneous Sexithiophene and Au Nanoparticle Formation. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 5063-5070	9.6	24
118	QCM sensing of a chemical nerve agent analog via electropolymerized molecularly imprinted polythiophene films. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 675-685	2.5	23
117	Catenated Poly( $\epsilon$ -caprolactone) and Poly(L-lactide) via Ring-Expansion Strategy. <i>Macromolecules</i> , <b>2015</b> , 48, 3825-3833	5.5	22
116	Pyrene-imprinted polythiophene sensors for detection of polycyclic aromatic hydrocarbons. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 228, 693-701	8.5	21
115	Electropolymerized and polymer grafted superhydrophobic, superoleophilic, and hemi-wicking coatings. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11025		21

114	Electrostatic layer-by-layer construction of fibrous TMV biofilms. <i>Nanoscale</i> , <b>2017</b> , 9, 1580-1590	7.7	20
113	SPR Detection of Dopamine Using Cathodically Electropolymerized, Molecularly Imprinted Poly-p-aminostyrene Thin Films. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 2439-2451	2.6	20
112	4D Printing via an Unconventional Fused Deposition Modeling Route to High-Performance Thermosets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50052-50060	9.5	19
111	Bactericidal and Anticorrosion Properties in PVK/MWNT Nanocomposite Coatings on Stainless Steel. <i>Macromolecular Materials and Engineering</i> , <b>2012</b> , 297, 807-813	3.9	18
110	Free-Standing Films of Semifluorinated Block Copolymer Brushes from Layer-by-Layer Polyelectrolyte Macroinitiators. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 1552-1566	2.6	18
109	Cyclic polymers and catenanes by atom transfer radical polymerization (ATRP). <i>Polymer International</i> , <b>2014</b> , 63, 803-813	3.3	17
108	Temperature-Responsiveness and Antimicrobial Properties of CNT@NIPAM Hybrid Brush Films. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 464-469	2.6	17
107	On the progress of 3D-printed hydrogels for tissue engineering. <i>MRS Communications</i> , <b>2021</b> , 11, 1-15	2.7	17
106	Nano-donuts from pH-dependent block restructuring in amphiphilic ABA triblock copolymer vesicles at the air-water interface. <i>Soft Matter</i> , <b>2009</b> , 5, 747-749	3.6	15
105	Conducting polymer-gold co-patterned surfaces via nanosphere lithography. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 459, 86-96	9.3	14
104	Star-like copolymer stabilized noble-metal nanoparticle powders. <i>Nanoscale</i> , <b>2016</b> , 8, 7435-42	7.7	14
103	New light-emitting poly{(9,9-di-n-octylfluorenediyl vinylene)-alt-[1,5-(2,6-dioctyloxy)naphthalene vinylene]}. <i>Polymer International</i> , <b>2011</b> , 60, 660-665	3.3	14
102	Organopolymer with dual chromophores and fast charge-transfer properties for sustainable photocatalysis. <i>Nature Communications</i> , <b>2019</b> , 10, 1837	17.4	13
101	Free-Standing, Nanopatterned Janus Membranes of Conducting Polymer-Virus Nanoparticle Arrays. <i>Langmuir</i> , <b>2016</b> , 32, 6185-93	4	13
100	Super-Anticorrosive Materials Based on Bifunctionalized Reduced Graphene Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45254-45265	9.5	13
99	3D printing of biomedically relevant polymer materials and biocompatibility. <i>MRS Communications</i> , <b>2021</b> , 11, 1-16	2.7	13
98	Films of Highly Disperse Electrodeposited Poly(N-vinylcarbazole)/Graphene Oxide Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 2371-2377	2.6	12
97	Post-Processing of 3D-Printed Polymers. <i>Technologies</i> , <b>2021</b> , 9, 61	2.4	12

96	A Dual Approach in Direct Ink Writing of Thermally Cured Shape Memory Rubber Toughened Epoxy. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 5492-5500	4.3	11
95	Properties of single-walled carbon nanotube-based poly(phenylene vinylene) electroluminescent nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2012</b> , 50, 272-279	2.6	10
94	Multifunctional Layer-by-Layer Architectures for Biological Applications <b>2011</b> , 11-71		10
93	Non-lithographic electrochemical patterning of polypyrrole arrays using single-layered colloidal templates on HOPG surface: effects of electrodeposition time and field-gradient. <i>Soft Matter</i> , <b>2011</b> , 7, 3775	3.6	10
92	Anionic Synthesis of Epoxy End-Capped Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 807-814	3.6	10
91	Plasmonics and templated systems for bioapplications. <i>Rendiconti Lincei</i> , <b>2015</b> , 26, 143-160	1.7	9
90	Graphene Oxide/Poly(ethylene glycol) methyl ether methacrylate Nanocomposite Hydrogels. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 101-107	2.6	9
89	A Trefoil Knotted Polymer Produced through Ring Expansion. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5216-5220	3.6	9
88	Patterned polymer brushes via electrodeposited ATRP, ROMP, and RAFT initiators on colloidal template arrays. <i>Soft Matter</i> , <b>2012</b> , 8, 353-359	3.6	9
87	On the Effect of Ultralow Loading of Microwave-Assisted Bifunctionalized Graphene Oxide in Stereolithographic 3D-Printed Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 49061-49072	2.5	9
86	House of Cards Nanostructuring of Graphene Oxide and Montmorillonite Clay for Oil/Water Separation. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1700314	3.9	8
85	Electrospinning Superhydrophobic and Antibacterial PS/MWNT Nanofibers onto Multilayer Gas Barrier Films. <i>Macromolecular Symposia</i> , <b>2017</b> , 374, 1600138	0.8	8
84	Preparation of Polymer Thin Films by Physical Vapor Deposition <b>2011</b> , 287-318		8
83	Synthesis and characterization of well-defined [polystyrene-b-poly(2-vinylpyridine)] <sub>n</sub> star-block copolymers with poly(2-vinylpyridine) corona blocks. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 3949-3955	2.5	8
82	Highly Recyclable, Mechanically Isotropic and Healable 3D-Printed Elastomers via Polyurea Vitrimers <b>2021</b> , 3, 1095-1103		8
81	On the additive manufacturing (3D printing) of viscoelastic materials and flow behavior: From composites to food manufacturing. <i>Additive Manufacturing</i> , <b>2021</b> , 45, 102043	6.1	8
80	Mussel-Inspired Hydrogel Composite with Multi-Stimuli Responsive Behavior. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800720	3.9	7
79	On the Formation and Electropolymerization of a Star Copolymer With Peripheral Carbazoles. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 386-395	2.6	7

78	Fabrication, Properties, and Biomedical Applications of Nanosheets <b>2011</b> , 907-931		7
77	On the Use of Surfactant-Complexed Chitosan for Toughening 3D Printed Polymethacrylate Composites. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000448	3.9	7
76	Highly efficient reversible addition-fragmentation chain-transfer polymerization in ethanol/water via flow chemistry. <i>Polymer International</i> , <b>2017</b> , 66, 1252-1258	3.3	6
75	The Role of $\pi$ - $\pi$ and Metastable Polymorphs on Electrospun Polyamide 6/Functionalized Graphene Oxide. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000195	4.8	6
74	Grafting of a Stimuli Responsive Polymer on Nanolayered Coextruded PS/PCL Films by Surface Initiated Polymerization. <i>Macromolecular Materials and Engineering</i> , <b>2016</b> , 301, 870-875	3.9	6
73	Nanocomposite p-n Junction Polycarbazole CdSe/TiO <sub>2</sub> Thin Films on ITO via Electrochemical Crosslinking. <i>Macromolecular Materials and Engineering</i> , <b>2012</b> , 297, 875-886	3.9	6
72	Self-Assembled Monolayers: the Development of Functional Nanoscale Films <b>2011</b> , 151-217		6
71	Electropolymerization of layer-by-layer precursor polymer films. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 753-758	3.2	6
70	Capsulation of carbon nanotubes on top of colloidally templated and electropolymerized polythiophene arrays. <i>Chemical Communications</i> , <b>2011</b> , 47, 8871-3	5.8	6
69	Defect-free Poly(9,9-bis(2-ethylhexyl)fluorene-2,7-vinylene) for Polymer Light-Emitting Diode (PLED) Devices. <i>Journal of Polymer Research</i> , <b>2010</b> , 17, 347-353	2.7	6
68	Electrochemical Surface Plasmon Resonance and Field-Enhanced Light Scattering: Monomer Copolymerization with a Polysiloxane-Conjugated Polythiophene Network Precursor. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 2624-2635	2.6	6
67	Effect of Photoreactive SAM at the Interface of an Indium-Tin Oxide Electrode and a Polymer Hole Transport Layer. <i>IEICE Transactions on Electronics</i> , <b>2013</b> , E96.C, 365-368	0.4	5
66	Gold Nanoparticle/Carbazole Dendron Hybrids. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 1600-1605	1.65	5
65	On the Monolayer Adsorption of Thiol-Terminated Dendritic Oligothiophenes onto Gold Surfaces. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 2562-2572	2.6	5
64	Polymer Nanosheet Containing Star-Like Copolymers: A Novel Scalable Controlled Release System. <i>Small</i> , <b>2018</b> , 14, e1800115	11	4
63	Langmuir-Blodgett-Ruhn Multilayer Assemblies: Past, Present, and Future of the LB Technology <b>2011</b> , 113-149		4
62	Self-Assembled Multifunctional Polymers for Biointerfaces <b>2011</b> , 855-905		4
61	Nanostructured Interpenetrating Polymer Network (IPN) Precursor Ultrathin Films. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 1039-1049	2.6	4

60	Polythiophene precursor electrochemical nanolithography: highly local thermal and morphological characterization. <i>Soft Matter</i> , <b>2011</b> , 7, 1849-1855	3.6	4
59	Fluorine-Free Superhydrophobic Coatings: Rapid Fabrication and Highly Efficient Oil/Water Separation. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 2000400	3.9	4
58	Capacitive Detection of Morphine via Cathodically Electropolymerized, Molecularly Imprinted Poly(p-aminostyrene) Films. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1810-1822	2.6	4
57	The potential of additively manufactured membranes for selective separation and capture of CO <sub>2</sub> . <i>MRS Communications</i> , <b>2021</b> , 11, 391-401	2.7	4
56	Applications of Fourier Transform Infrared (FTIR) Imaging <b>2014</b> , 1179-1200		3
55	In Situ Photogeneration of Palladium Nanoparticles in Thermoplastic Polyurethane: Photopatterning and Enhanced Oxygen Barrier Property. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700289	2.6	3
54	Monitoring in situ Electrochemical Crosslinking in Nanostructured Precursor Polymer Films by EC-SPR Spectroscopy. <i>Macromolecular Reaction Engineering</i> , <b>2012</b> , 6, 153-159	1.5	3
53	A Perspective and Introduction to Organic and Polymer Ultrathin Films: Deposition, Nanostructuring, Biological Function, and Surface Analytical Methods <b>2011</b> , 1-10		3
52	Electro-Optical Applications of Conjugated Polymer Thin Films <b>2011</b> , 319-377		3
51	Energy Transfer in Poly(3-thiopheneacetic acid) and Oligothiophene Polyelectrolyte Surfactant Complexes. <i>Langmuir</i> , <b>2003</b> , 19, 8119-8121	4	3
50	Electropolymerized-molecularly imprinted polymers (E-MIPS) as sensing elements for the detection of dengue infection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 1	4.4	3
49	3D printing of metals using biodegradable cellulose hydrogel inks. <i>Additive Manufacturing</i> , <b>2021</b> , 48, 102380	6.1	3
48	On the use of an agro waste, <i>Miscanthus x. Giganteus</i> , as filtrate reducer for water-based drilling fluids. <i>Journal of Dispersion Science and Technology</i> , <b>2020</b> , 1-10	1.5	3
47	Continuous Flow Fabrication of Block Copolymer Grafted Silica Micro-Particles in Environmentally Friendly Water/Ethanol Media. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800451	3.9	3
46	Characterization of Responsive Polymer Brushes at Solid/Liquid Interfaces by Electrochemical Impedance Spectroscopy 809-830		3
45	Mechanically and Thermally Enhanced 3D-Printed Photocurable Polymer Nanocomposites Containing Functionalized Chitin Nanowhiskers by Stereolithography. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 2513-2526	4.3	3
44	Surface Plasmon Resonance Spectroscopy and Molecularly Imprinted Polymer (MIP) Sensors <b>2014</b> , 1229-1258		2
43	Investigations of Soft Organic Films with Ellipsometry <b>2011</b> , 629-647		2



42	Characterization of Molecularly Thin Polymer Layers with the Surface Forces Apparatus (SFA) <b>2011</b> , 745-769		2
41	Swelling Behavior of Thin Hydrogel Coatings <b>2011</b> , 649-667		2
40	Nanostructured Optical Waveguides for Thin-Film Characterization <b>2011</b> , 695-721		2
39	Nanopatterning and Functionality of Block-Copolymer Thin Films <b>2011</b> , 401-474		2
38	Patterning by Photolithography <b>2011</b> , 475-499		2
37	FABRICATION AND ELECTROCHROMIC PROPERTIES OF LAYER-BY-LAYER SELF-ASSEMBLED ULTRATHIN FILMS CONTAINING WATER-SOLUBLE PHTHALOCYANINE. <i>Molecular Crystals and Liquid Crystals</i> , <b>2003</b> , 407, 97-104	0.5	2
36	Nanomanufacture of Free-Standing, Porous, Janus-Type Films of Polymer-Plant Virus Nanoparticle Arrays. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1776, 143-157	1.4	1
35	Electrochemical Impedance Spectroscopy (EIS) <b>2011</b> , 791-807		1
34	Polyelectrolyte Brushes: Twenty Years After <b>2011</b> , 219-237		1
33	Ultrathin Functional Polymer Films Using Plasma-Assisted Deposition <b>2011</b> , 265-286		1
32	Ultrathin Films of Conjugated Polymer Networks: A Precursor Polymer Approach Toward Electro-Optical Devices, Sensors, and Nanopatterning <b>2011</b> , 379-399		1
31	Scattering Techniques for Thin Polymer Films <b>2011</b> , 669-694		1
30	Hybrid Nanomaterials in Ultrathin Films: the Sol-Gel Method and $\pi$ -Conjugated Polymers <b>2011</b> , 1017-1049		1
29	Thin-Film Applications of Electroactive Polymers <b>2011</b> , 983-1015		1
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