

Thomas Ederth

List of Publications by Year in descending order

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times ranked

5262
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and pH-Induced Swelling of Polymer Films Prepared from Sequentially Grafted Polyelectrolytes. <i>Langmuir</i> , 2022, 38, 1725-1737.	3.5	4
2	On the Origin of Seebeck Coefficient Inversion in Highly Doped Conducting Polymers. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	18
3	Polyampholytic Poly(AEMA-co-SPMA) Thin Films and Their Potential for Antifouling Applications. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5361-5372.	4.4	9
4	Disentangling the Roles of Functional Domains in the Aggregation and Adsorption of the Multimodular Sea Star Adhesive Protein Sfp1. <i>Marine Biotechnology</i> , 2021, 23, 724-735.	2.4	3
5	Dedoping-induced interfacial instability of poly(ethylene imine)s-treated PEDOT:PSS as a low-work-function electrode. <i>Journal of Materials Chemistry C</i> , 2020, 8, 328-336.	5.5	19
6	Transparent nanocellulose metamaterial enables controlled optical diffusion and radiative cooling. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11687-11694.	5.5	45
7	Lead-Free Halide Double Perovskite Cs ₂ AgBiBr ₆ with Decreased Band Gap. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15191-15194.	13.8	80
8	Lead-Free Halide Double Perovskite Cs ₂ AgBiBr ₆ with Decreased Band Gap. <i>Angewandte Chemie</i> , 2020, 132, 15303-15306.	2.0	34
9	Interactions of the Lysosomotropic Detergent O-Methyl-Serine Dodecylamide Hydrochloride (MSDH) with Lipid Bilayer Membranes—Implications for Cell Toxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3136.	4.1	5
10	Elastic conducting polymer composites in thermoelectric modules. <i>Nature Communications</i> , 2020, 11, 1424.	12.8	134
11	Resistance of Zwitterionic Peptide Monolayers to Biofouling. <i>Langmuir</i> , 2019, 35, 1818-1827.	3.5	41
12	The expression and characterization of recombinant cp19k barnacle cement protein from <i>Pollicipes pollicipes</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190205.	4.0	17
13	Identifying adhesive components in a model tunicate. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190197.	4.0	27
14	Fabrication of a polypropylene immunoassay platform by photografting reaction. <i>Materials Science and Engineering C</i> , 2019, 102, 492-501.	7.3	3
15	Interaction Forces on Polyampholytic Hydrogel Gradient Surfaces. <i>ACS Omega</i> , 2019, 4, 5670-5681.	3.5	8
16	Effect of Backbone Regiochemistry on Conductivity, Charge Density, and Polaron Structure of n-Doped Donor-Acceptor Polymers. <i>Chemistry of Materials</i> , 2019, 31, 3395-3406.	6.7	44
17	A mechanism for temporary bioadhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4297-4306.	7.1	42
18	Electrocatalytic Production of Hydrogen Peroxide with Poly(3,4-ethylenedioxythiophene) Electrodes. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800110.	5.3	69

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19	Swelling of Thin Poly(ethylene glycol)-Containing Hydrogel Films in Water Vapor—A Neutron Reflectivity Study. <i>Langmuir</i> , 2018, 34, 5517-5526.	3.5	9
20	A Free-Standing High-Output Power Density Thermoelectric Device Based on Structure-Ordered PEDOT:PSS. <i>Advanced Electronic Materials</i> , 2018, 4, 1700496.	5.1	73
21	Reversible Self-Assembled Monolayers (rSAMs) as Robust and Fluidic Lipid Bilayer Mimics. <i>Langmuir</i> , 2018, 34, 4107-4115.	3.5	13
22	The contraction of PEDOT films formed on a macromolecular liquid-like surface. <i>Journal of Materials Chemistry C</i> , 2018, 6, 654-660.	5.5	19
23	Light-induced degradation of fullerenes in organic solar cells: a case study on TQ1:PCBM. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11884-11889.	10.3	27
24	Antialgal activity of poly(2-(dimethylamino)ethyl methacrylate) (PDMAEMA) brushes against the marine alga <i>Ulva</i> . <i>Biofouling</i> , 2017, 33, 169-183.	2.2	14
25	Time-Resolved Chemical Mapping in Light-Emitting Electrochemical Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2747-2757.	8.0	17
26	Oxygen-induced doping on reduced PEDOT. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4404-4412.	10.3	97
27	Ground-state charge transfer for NIR absorption with donor/acceptor molecules: interactions mediated via energetics and orbital symmetries. <i>Journal of Materials Chemistry C</i> , 2017, 5, 275-281.	5.5	20
28	Spontaneous Vesiculation and pH-Induced Disassembly of a Lysosomotropic Detergent: Impacts on Lysosomotropism and Lysosomal Delivery. <i>Langmuir</i> , 2016, 32, 13566-13575.	3.5	4
29	Charged hydrophilic polymer brushes and their relevance for understanding marine biofouling. <i>Biofouling</i> , 2016, 32, 609-625.	2.2	48
30	Thermoelectric Properties of Polymeric Mixed Conductors. <i>Advanced Functional Materials</i> , 2016, 26, 6288-6296.	14.9	96
31	Imaging SPR combined with stereoscopic 3D tracking to study barnacle cyprid—surface interactions. <i>Surface Science</i> , 2016, 643, 172-177.	1.9	9
32	Antifouling properties of oligo(lactose)-based self-assembled monolayers. <i>Biofouling</i> , 2015, 31, 123-134.	2.2	10
33	Spectroelectrochemical investigation of redox states in a polypyrrole/lignin composite electrode material. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12927-12937.	10.3	76
34	Chemistry-specific surface adsorption of the barnacle settlement-inducing protein complex. <i>Interface Focus</i> , 2015, 5, 20140047.	3.0	22
35	Acido-basic control of the thermoelectric properties of poly(3,4-ethylenedioxythiophene)tosylate (PEDOT-Tos) thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10616-10623.	5.5	147
36	Imaging the Phase Separation Between PEDOT and Polyelectrolytes During Processing of Highly Conductive PEDOT:PSS Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19764-19773.	8.0	185

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37	Holographic microscopy provides new insights into the settlement of zoospores of the green alga <i>Ulva linza</i> on cationic oligopeptide surfaces. <i>Biofouling</i> , 2015, 31, 229-239.	2.2	18
38	Hydrogel-coated feed spacers in two-phase flow cleaning in spiral wound membrane elements: A novel platform for eco-friendly biofouling mitigation. <i>Water Research</i> , 2015, 71, 171-186.	11.3	35
39	Improving Cathodes with a Polymer Interlayer in Reversed Organic Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400643.	19.5	43
40	pH-control of the protein resistance of thin hydrogel gradient films. <i>Soft Matter</i> , 2014, 10, 5955-5964.	2.7	19
41	Hydration and Chain Entanglement Determines the Optimum Thickness of Poly(HEMA- <i>co</i> -PEG ₁₀ MA) Brushes for Effective Resistance to Settlement and Adhesion of Marine Fouling Organisms. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11448-11458.	8.0	77
42	Correlation between surface chemistry and settlement behaviour in barnacle cyprids (<i>Balanus tintinnulus</i>). <i>Journal of Experimental Biology</i> , 2010, 216, 1969-72.	2.2	40
43	Lysosomotropic agents: impact on lysosomal membrane permeabilization and cell death. <i>Biochemical Society Transactions</i> , 2014, 42, 1460-1464.	3.4	109
44	Biotinyl moiety-selective polymer films with highly ordered macropores. <i>Chemical Communications</i> , 2013, 49, 5274.	4.1	13
45	Synthesis of oligo(lactose)-based thiols and their self-assembly onto gold surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 187-193.	5.0	9
46	Confocal microscopy-based goniometry of barnacle cyprid permanent adhesive. <i>Journal of Experimental Biology</i> , 2013, 216, 1969-72.	1.7	19
47	Resistance of Galactoside-Terminated Alkanethiol Self-Assembled Monolayers to Marine Fouling Organisms. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3890-3901.	8.0	47
48	Saccharide-Functionalized Alkanethiols for Fouling-Resistant Self-Assembled Monolayers: Synthesis, Monolayer Properties, and Antifouling Behavior. <i>Langmuir</i> , 2011, 27, 15034-15047.	3.5	59
49	Effects of surface charge and Gibbs surface energy on the settlement behaviour of barnacle cyprids (<i>Balanus amphitrite</i>). <i>Biofouling</i> , 2011, 27, 1043-1055.	2.2	68
50	Secondary Structure in de Novo Designed Peptides Induced by Electrostatic Interaction with a Lipid Bilayer Membrane. <i>Langmuir</i> , 2010, 26, 6437-6448.	3.5	12
51	Filled Nanoporous Surfaces: Controlled Formation and Wettability. <i>Langmuir</i> , 2009, 25, 12374-12379.	3.5	10
52	Interactions of Zoospores of <i>Ulva linza</i> with Arginine-Rich Oligopeptide Monolayers. <i>Langmuir</i> , 2009, 25, 9375-9383.	3.5	26
53	Lateral Control of Protein Adsorption on Charged Polymer Gradients. <i>Langmuir</i> , 2009, 25, 3755-3762.	3.5	51
54	Advanced nanostructures for the control of biofouling: The FP6 EU Integrated Project AMBIO. <i>Biointerphases</i> , 2008, 3, IR1-IR5.	1.6	75

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55	Addressable adsorption of lipid vesicles and subsequent protein interaction studies. <i>Biointerphases</i> , 2008, 3, 29-37.	1.6	11
56	Poly(ethylene glycol)-Containing Hydrogel Surfaces for Antifouling Applications in Marine and Freshwater Environments. <i>Biomacromolecules</i> , 2008, 9, 2775-2783.	5.4	223
57	Anomalous settlement behavior of <i>Ulva linza</i> zoospores on cationic oligopeptide surfaces. <i>Biofouling</i> , 2008, 24, 303-312.	2.2	44
58	In Situ Wilhelmy Balance Surface Energy Determination of Poly(3-hexylthiophene) and Poly(3,4-ethylenedioxythiophene) during Electrochemical Doping/Dedoping. <i>Langmuir</i> , 2006, 22, 9287-9294.	3.5	70
59	A Neutron Reflectivity Study of Drainage and Stratification of AOT Foam Films. <i>Langmuir</i> , 2003, 19, 7727-7733.	3.5	8
60	Computation of Lifshitz-van der Waals Forces between Alkylthiol Monolayers on Gold Films. <i>Langmuir</i> , 2001, 17, 3329-3340.	3.5	50
61	Force Measurements between Semifluorinated Thiolate Self-Assembled Monolayers: Long-Range Hydrophobic Interactions and Surface Charge. <i>Journal of Colloid and Interface Science</i> , 2001, 235, 391-397.	9.4	15
62	Forces between Carboxylic Acid Surfaces in Divalent Electrolyte Solutions. <i>Journal of Colloid and Interface Science</i> , 2000, 229, 123-128.	9.4	20
63	Template-stripped gold surfaces with 0.4-nm rms roughness suitable for force measurements: Application to the Casimir force in the 20-100-nm range. <i>Physical Review A</i> , 2000, 62, .	2.5	263
64	Influence of Surface Hydrophobicity on the Layer Properties of Adsorbed Nonionic Surfactants. <i>Langmuir</i> , 2000, 16, 2285-2291.	3.5	73
65	Interfacial Properties of Nonionic Surfactants and Decane Surfactant Microemulsions at the Silica-Water Interface. An Ellipsometry and Surface Force Study. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9689-9695.	2.6	12
66	Substrate and Solution Effects on the Long-Range Hydrophobic Interactions between Hydrophobized Gold Surfaces. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9704-9712.	2.6	28
67	Influence of Wetting Properties on the Long-Range Hydrophobic Interaction between Self-Assembled Alkylthiolate Monolayers. <i>Langmuir</i> , 2000, 16, 2177-2184.	3.5	54
68	On the Possibility of Glue Contaminations in the Surface Force Apparatus. <i>Journal of Colloid and Interface Science</i> , 1999, 210, 215-217.	9.4	5
69	Direct force measurements on bulk polystyrene using the bimorph surface forces apparatus. <i>Journal of Adhesion Science and Technology</i> , 1999, 13, 79-96.	2.6	36
70	Self-Assembled Monolayers of Alkanethiolates on Thin Gold Films as Substrates for Surface Force Measurements. Long-Range Hydrophobic Interactions and Electrostatic Double-Layer Interactions. <i>Langmuir</i> , 1998, 14, 4782-4789.	3.5	88
71	Techniques for measuring surface forces. <i>Advances in Colloid and Interface Science</i> , 1996, 67, 119-183.	14.7	239
72	Recent developments in field-effect gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1995, 23, 127-133.	7.8	36

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73	Manufacturing Poly(3,4-Ethylenedioxythiophene) Electrocatalytic Sheets for Large-Scale H ₂ O ₂ Production. Advanced Sustainable Systems, 0, , 2100316.	5.3	2