Mikko SalomÃ¤ki

List of Publications by Year
in descending order

45 papers	1,607 citations	304368 22 h-index	288905 40 g-index
47 all docs	47 docs citations	47 times ranked	2089 citing authors

#	Article	IF	Citations
1	Effect of Temperature on the Buildup of Polyelectrolyte Multilayers. Langmuir, 2005, 21, 11232-11240.	1.6	209
2	The Hofmeister Anion Effect and the Growth of Polyelectrolyte Multilayers. Langmuir, 2004, 20, 3679-3683.	1.6	179
3	Effects of pH and Oxidants on the First Steps of Polydopamine Formation: A Thermodynamic Approach. Journal of Physical Chemistry B, 2018, 122, 6314-6327.	1.2	146
4	Counteranion-Controlled Properties of Polyelectrolyte Multilayers. Macromolecules, 2004, 37, 9585-9590.	2.2	116
5	Polyelectrolyte Multilayers Prepared from Water-Soluble Poly(alkoxythiophene) Derivatives. Journal of the American Chemical Society, 2001, 123, 6083-6091.	6.6	103
6	Surface Chemistry, Reactivity, and Pore Structure of Porous Silicon Oxidized by Various Methods. Langmuir, 2012, 28, 10573-10583.	1.6	82
7	Chemical and electrochemical properties of a hydrophobic deep eutectic solvent. Electrochimica Acta, 2019, 295, 124-129.	2.6	68
8	Specific Anion Effect in Swelling of Polyelectrolyte Multilayers. Macromolecules, 2008, 41, 4423-4428.	2.2	61
9	Preparation of Multilayers Containing Conjugated Thiophene-Based Polyelectrolytes. Layer-by-Layer Assembly and Viscoelastic Properties. Langmuir, 2002, 18, 8496-8502.	1.6	49
10	Polydopamine Nanoparticles Prepared Using Redox-Active Transition Metals. Journal of Physical Chemistry B, 2019, 123, 2513-2524.	1.2	45
11	Enhanced water vapor barrier properties for biopolymer films by polyelectrolyte multilayer and atomic layer deposited Al2O3 double-coating. Applied Surface Science, 2011, 257, 9451-9454.	3.1	43
12	Effect of Water on a Hydrophobic Deep Eutectic Solvent. Journal of Physical Chemistry B, 2022, 126, 513-527.	1.2	41
13	Influence of Synthetic Polyelectrolytes on the Growth and Properties of Hyaluronanâ˘Chitosan Multilayers. Biomacromolecules, 2009, 10, 294-301.	2.6	40
14	Ultrathin polyelectrolyte multilayers: in situ ESR/UV-Vis-NIR spectroelectrochemical study of charge carriers formed under oxidation. Physical Chemistry Chemical Physics, 2004, 6, 434-441.	1.3	34
15	New Insights on the Interaction between Thiophene Derivatives and Au Surfaces. The Case of 3,4-Ethylenedioxythiophene and the Relevant Polymer. Journal of Physical Chemistry C, 2011, 115, 17836-17844.	1.5	34
16	Modeling the Growth Processes of Polyelectrolyte Multilayers Using a Quartz Crystal Resonatorâ€. Journal of Physical Chemistry B, 2007, 111, 8509-8519.	1.2	31
17	Preparation of Thin Melanin-Type Films by Surface-Controlled Oxidation. Langmuir, 2016, 32, 4103-4112.	1.6	30
18	Solâ€"gel derived coating applied to long-period gratings for enhanced refractive index sensing properties. Journal of Optics, 2009, 11, 015501.	1.5	28

#	ARTICLE	IF	CITATIONS
19	Highly uniform up-converting nanoparticles: Why you should control your synthesis even more. Journal of Luminescence, 2017, 185, 125-131.	1.5	27
20	Effect of Polyelectrolyte Multilayers on the Response of a Quartz Crystal Microbalance. Analytical Chemistry, 2003, 75, 5895-5904.	3.2	24
21	Effective Shielding of NaYF₄:Yb³⁺,Er³⁺ Upconverting Nanoparticles in Aqueous Environments Using Layer-by-Layer Assembly. Langmuir, 2018, 34, 7759-7766.	1.6	24
22	Method for Measuring the Losses and Loading of a Quartz Crystal Microbalance. Analytical Chemistry, 2006, 78, 1875-1882.	3.2	23
23	Multilayer films by spraying on spinning surface â€” Best of both worlds. Thin Solid Films, 2012, 520, 5550-5556.	0.8	20
24	Large Apparent Interfacial Slippage at Polyelectrolyteâˆ'Perfluorocarbon Interfaces on a Quartz Crystal Resonator. Langmuir, 2004, 20, 7794-7801.	1.6	15
25	Restraining fluoride loss from NaYF4:Yb3+,Er3+ upconverting nanoparticles in aqueous environments using crosslinked poly(acrylic acid)/poly(allylamine hydrochloride) multilayers. Journal of Colloid and Interface Science, 2019, 538, 320-326.	5.0	14
26	Surface modification of upconverting nanoparticles by layer-by-layer assembled polyelectrolytes and metal ions. Journal of Colloid and Interface Science, 2017, 508, 137-144.	5.0	12
27	Oxidative Inorganic Multilayers for Polypyrrole Film Generation. Advanced Functional Materials, 2010, 20, 2140-2147.	7.8	10
28	Polar lipid fraction from oat (Avena sativa): characterization and use as an o/w emulsifier. European Food Research and Technology, 2012, 235, 507-515.	1.6	10
29	Effective low temperature reduction of graphene oxide with vanadium(iii). Journal of Materials Chemistry C, 2014, 2, 3602.	2.7	9
30	Nanometer-Thick Ion-Selective Polyelectrolyte Multilayer Coatings to Inhibit the Disintegration of Inorganic Upconverting Nanoparticles. ACS Applied Nano Materials, 2020, 3, 6892-6898.	2.4	9
31	Oxidation induced variation in polyelectrolyte multilayers prepared from sulfonated self-dopable poly(alkoxythiophene). Chemical Communications, 2000, , 571-572.	2.2	8
32	A novel method to prepare water dispersible poly(benzimidazobenzophenanthroline) (BBL) by partial substitution of chain ends with poly(ethylene oxide). Colloid and Polymer Science, 2011, 289, 1065-1072.	1.0	8
33	Layer-by-Layer Assembled Oxidative Films as General Platform for Electrodeless Formation of Conducting Polymers. ACS Applied Materials & Interfaces, 2014, 6, 2325-2334.	4.0	8
34	Multilayers prepared from electronically conducting conjugated polyelectrolytes. Synthetic Metals, 2001, 121, 1403-1404.	2.1	7
35	Oxidative Spin-Spray-Assembled Coordinative Multilayers as Platforms for Capacitive Films. Langmuir, 2020, 36, 6736-6748.	1.6	7
36	Layer-by-layer approach to engineer and control conductivity of atmospheric pressure vapor phase polymerized PEDOT thin films. Materials Today Communications, 2020, 25, 101398.	0.9	7

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37	Selection and characterization of peptides binding to diamond-like carbon. Colloids and Surfaces B: Biointerfaces, 2013, 110, 66-73.	2.5	6
38	Oxidative Layer-By-Layer Multilayers Based on Metal Coordination: Influence of Intervening Graphene Oxide Layers. Langmuir, 2018, 34, 13171-13182.	1.6	6
39	Heuristics Hindering the Development of Understanding of Molecular Structures in University Level Chemistry Education: The Lewis Structure as an Example. Education Sciences, 2021, 11, 258.	1.4	5
40	Celluloseâ€Based Reduced Nanographene Oxide on Gold Nanoparticle Supports for CO 2 Electrocatalysis. ChemElectroChem, 2020, 7, 4889-4899.	1.7	3
41	Highly controllable ambient atmosphere spray deposition of water dispersible poly(benzimidazobenzophenanthroline) films. Synthetic Metals, 2018, 245, 144-150.	2.1	1
42	Copolymers of bipyridinium and metal (Zn & Ni) porphyrin derivatives; theoretical insights and electrochemical activity towards CO₂. RSC Advances, 2021, 11, 19844-19855.	1.7	1
43	Synthesis of Layered Double Hydroxides and TiO₂ Supported Metal Nanoparticles for Electrocatalysis. ChemElectroChem, 2022, 9, .	1.7	1
44	Refractive index sensing properties of long-period fibre grating with sol-gel derived coatings. , 2008, , .		0
45	Conjugated Main Chain Azoâ€Polymers Based on Polycyclic Aromatic Hydrocarbons. Macromolecular Chemistry and Physics, 2019, 220, 1900303.	1.1	0