

Teodor Aastrup

List of Publications by Year in descending order

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papers

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567281

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times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing immobilization on two-dimensional carboxyl surface: pH dependence of antibody orientation and antigen binding capacity. <i>Analytical Biochemistry</i> , 2010, 398, 161-168.	2.4	97
2	Study of real-time lectin-carbohydrate interactions on the surface of a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2005, 21, 60-66.	10.1	86
3	Quartz crystal microbalance bioaffinity sensor for rapid identification of glycosyl disulfide lectin inhibitors from a dynamic combinatorial library. <i>Biosensors and Bioelectronics</i> , 2006, 22, 42-48.	10.1	56
4	Photo-Click Immobilization on Quartz Crystal Microbalance Sensors for Selective Carbohydrate-Protein Interaction Analyses. <i>Analytical Chemistry</i> , 2011, 83, 1000-1007.	6.5	56
5	Photogenerated lectin sensors produced by thiol-ene/yne photo-click chemistry in aqueous solution. <i>Biosensors and Bioelectronics</i> , 2012, 34, 51-56.	10.1	49
6	Dynamic glycovesicle systems for amplified QCM detection of carbohydrate-lectin multivalent biorecognition. <i>Chemical Communications</i> , 2010, 46, 2441.	4.1	48
7	Real-time analysis of the carbohydrates on cell surfaces using a QCM biosensor: a lectin-based approach. <i>Biosensors and Bioelectronics</i> , 2012, 35, 200-205.	10.1	48
8	Real-time and label-free analysis of binding thermodynamics of carbohydrate-protein interactions on unfixed cancer cell surfaces using a QCM biosensor. <i>Scientific Reports</i> , 2015, 5, 14066.	3.3	44
9	A suspension-cell biosensor for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces. <i>Chemical Communications</i> , 2013, 49, 9908.	4.1	32
10	Quartz crystal microbalance sensor designI. Experimental study of sensor response and performance. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 27-34.	7.8	29
11	Combined Bacteria Microarray and Quartz Crystal Microbalance Approach for Exploring Glycosignatures of Nontypeable Haemophilus influenzae and Recognition by Host Lectins. <i>Analytical Chemistry</i> , 2016, 88, 5950-5957.	6.5	29
12	Redox-responsive and calcium-dependent switching of glycosyl disulfide interactions with Concanavalin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2707-2710.	2.2	25
13	Study of the Interaction of Trastuzumab and SKOV3 Epithelial Cancer Cells Using a Quartz Crystal Microbalance Sensor. <i>Sensors</i> , 2015, 15, 5884-5894.	3.8	23
14	Oriented and reversible immobilization of His-tagged proteins on two- and three-dimensional surfaces for study of protein-protein interactions by a QCM biosensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 814-822.	7.8	20
15	Quartz crystal microbalance biosensor designII. Simulation of sample transport. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 21-26.	7.8	19
16	Synthesis and binding affinity analysis of α 1-2- and α 1-6- O / S-linked dimannosides for the elucidation of sulfur in glycosidic bonds using quartz crystal microbalance sensors. <i>Carbohydrate Research</i> , 2017, 452, 35-42.	2.3	19
17	Optimization of 3D Surfaces of Dextran with Different Molecule Weights for Real-Time Detection of Biomolecular Interactions by a QCM Biosensor. <i>Polymers</i> , 2017, 9, 409.	4.5	14
18	Electroimmobilization of proinsulin C-peptide to a quartz crystal microbalance sensor chip for protein affinity purification. <i>Analytical Biochemistry</i> , 2005, 341, 89-93.	2.4	12

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19	Fabrication of Carbohydrate Chips Based on Polydopamine for Real-Time Determination of Carbohydrate-Lectin Interactions by QCM Biosensor. <i>Polymers</i> , 2018, 10, 1275.	4.5	11
20	QCM sensing of multivalent interactions between lectins and well-defined glycosylated nanoplatfoms. <i>Biosensors and Bioelectronics</i> , 2019, 139, 111328.	10.1	11
21	Direct attachment of suspension cells to PDA surface and its application in suspension-cell QCM biosensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128823.	7.8	9
22	Bacterial Surface Glycans: Microarray and QCM Strategies for Glycophenotyping and Exploration of Recognition by Host Receptors. <i>Methods in Enzymology</i> , 2018, 598, 37-70.	1.0	8
23	Signal enhancement in ligand-receptor interactions using dynamic polymers at quartz crystal microbalance sensors. <i>Analyst, The</i> , 2016, 141, 3993-3996.	3.5	7
24	Label-Free Cell-Based Assay for Characterization of Biomolecules and Receptors. <i>Methods in Molecular Biology</i> , 2018, 1785, 53-63.	0.9	2