Gilbert NÃ¶ll

List of Publications by Year
in descending order

29	1,230	623734	434195
papers	citations	14 h-index	31 g-index

32	32	32	1761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Class II/III Transition in Triarylamine Redox Systems. Journal of the American Chemical Society, 1999, 121, 8434-8442.	13.7	503
2	Strategies for â€œwiringâ€•redox-active proteins to electrodes and applications in biosensors, biofuel cells, and nanotechnology. Chemical Society Reviews, 2011, 40, 3564.	38.1	126
3	Increasing the coulombic efficiency of glucose biofuel cell anodes by combination of redox enzymes. Biosensors and Bioelectronics, 2010, 25, 1710-1716.	10.1	84
4	Determination of the pH Dependent Redox Potential of Glucose Oxidase by Spectroelectrochemistry. Analytical Chemistry, 2014, 86, 7530-7535.	6.5	76
5	Critical View on Electrochemical Impedance Spectroscopy Using the Ferri/Ferrocyanide Redox Couple at Gold Electrodes. Analytical Chemistry, 2016, 88, 4383-4390.	6.5	75
6	Construction of Threeâ€Dimensional DNA Hydrogels from Linear Building Blocks. Angewandte Chemie - International Edition, 2014, 53, 8328-8332.	13.8	48
7	Synthesis, Spectroscopic Properties, and Electropolymerization of Azulene Dyads. Journal of Organic Chemistry, 2011, 76, 4859-4873.	3.2	34
8	Pristine DNA Hydrogels from Biotechnologically Derived Plasmid DNA. Angewandte Chemie - International Edition, 2017, 56, 12004-12008.	13.8	28
9	Multi-Ligand-Binding Flavoprotein Dodecin as a Key Element for Reversible Surface Modification in Nano-biotechnology. ACS Nano, 2015, 9, 3491-3500.	14.6	26
10	Redox Properties of LOV Domains: Chemical versus Photochemical Reduction, and Influence on the Photocycle. ChemBioChem, 2007, 8, 2256-2264.	2.6	25
11	Thickness Dependence of Bovine Serum Albumin Adsorption on Thin Thermoresponsive Poly(diethylene) Tj ETQq1 1 0.784314 rgBT /Ov 2016, 32, 9360-9370.	3.5	25
12	Electrochemical switching of the flavoprotein dodecin at gold surfaces modified by flavin-DNA hybrid linkers. Biointerphases, 2008, 3, 51-58.	1.6	22
13	Spectroscopic investigation of flavoproteins: Mechanistic differences between (electro)chemical and photochemical reduction and oxidation. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 34-38.	3.9	16
14	Blueâ€Lightâ€Triggered Photorelease of Active Chemicals Captured by the Flavoprotein Dodecin. ChemBioChem, 2009, 10, 834-837.	2.6	16
15	Molecular Beacon Modified Sensor Chips for Oligonucleotide Detection with Optical Readout. Langmuir, 2014, 30, 14360-14367.	3.5	15
16	A Reusable Sensor for the Labelâ€Free Detection of Specific Oligonucleotides by Surface Plasmon Fluorescence Spectroscopy. Advanced Healthcare Materials, 2014, 3, 42-46.	7.6	14
17	The Flavoprotein Dodecin as a Redox Probe for Electron Transfer through DNA. Angewandte Chemie - International Edition, 2013, 52, 4950-4953.	13.8	12
18	Flavin Storage and Sequestration by Mycobacterium tuberculosis Dodecin. ACS Infectious Diseases, 2018, 4, 1082-1092.	3.8	12

#	Article	IF	Citations
19	Nanomechanical properties of proteinâ€“DNA layers with different oligonucleotide tethers. RSC Advances, 2016, 6, 56467-56474.	3.6	10
20	Langmuir Analysis of the Binding Affinity and Kinetics for Surface Tethered Duplex DNA and a Ligandâ€“Apoprotein Complex. Langmuir, 2018, 34, 14738-14748.	3.5	10
21	A sandwich-like strategy for the label-free detection of oligonucleotides by surface plasmon fluorescence spectroscopy (SPFS). Analyst, The, 2016, 141, 5784-5791.	3.5	7
22	DNAâ€Hydrogele aus Plasmidâ€DNA. Angewandte Chemie, 2017, 129, 12167-12171.	2.0	6
23	Rapid determination of binding parameters of chitin binding domains using chitin-coated quartz crystal microbalance sensor chips. Analyst, The, 2018, 143, 5255-5263.	3.5	6
24	Reversible assembly of protein-DNA nanostructures triggered by mediated electron transfer. Electrochimica Acta, 2017, 232, 1-6.	5.2	5
25	Influence of the Thiol Anchor on the Orientation of Surfaceâ€Grafted dsDNA Assemblies. Chemistry - A European Journal, 2017, 23, 696-702.	3.3	5
26	Spectroelectrochemical Investigation of Cholesterol Oxidase fromStreptomyces lividansat Different pH Values. ChemElectroChem, 2019, 6, 2174-2181.	3.4	3
27	Diffusionâ€Ordered NMR Spectroscopy of Guest Molecules in DNA Hydrogels and Related Matrices. ChemistrySelect, 2018, 3, 10287-10297.	1.5	2
28	Spectroelectrochemical study revealing the redox potential of human monoamine oxidase A. Electrochimica Acta, 2019, 317, 612-617.	5.2	2
29	Evaluation of dsDNA as a wire for redox-active proteins. Current Opinion in Electrochemistry, 2019, 14, 143-150.	4.8	2