

Bo Liedberg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152 papers	7,496 citations	44 h-index	83 g-index
165 ext. papers	8,540 ext. citations	8 avg, IF	5.83 L-index

#	Paper	IF	Citations
152	Atomically Thin TaSe Film as a High-Performance Substrate for Surface-Enhanced Raman Scattering.. <i>Small</i> , 2022 , e2107027	11	2
151	Amphiphilic Membrane Environments Regulate Enzymatic Behaviors of Salmonella Outer Membrane Protease. <i>ACS Bio & Med Chem Au</i> , 2022 , 2, 73-83		0
150	Cationic Liposomes Enable Shape Control in Surfactant-Free Synthesis of Biocompatible Gold Nanorods. <i>Chemistry of Materials</i> , 2021 , 33, 4558-4567	9.6	1
149	Point of care testing of sports biomarkers: Potential applications, recent advances and future outlook. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 142, 116327	14.6	6
148	Antibody-Gold Nanoparticle Bioconjugates for Biosensors: Synthesis, Characterization and Selected Applications. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112370	11.8	61
147	Colorimetric Urinalysis for On-Site Detection of Metabolic Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31270-31281	9.5	9
146	Gold nanoparticle conjugated magnetic beads for extraction and nucleation based signal amplification in lateral flow assaying. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127959	8.5	8
145	Outer-Membrane Protease (OmpT) Based E. coli Sensing with Anionic Polythiophene and Unlabeled Peptide Substrate. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18068-18077	16.4	2
144	Role of Lipopolysaccharide in Protecting OmpT from Autoproteolysis during In Vitro Refolding. <i>Biomolecules</i> , 2020 , 10,	5.9	2
143	Outer-Membrane Protease (OmpT) Based E. coli Sensing with Anionic Polythiophene and Unlabeled Peptide Substrate. <i>Angewandte Chemie</i> , 2020 , 132, 18224-18233	3.6	0
142	Surface modification of corneal prosthesis with nano-hydroxyapatite to enhance in vivo biointegration. <i>Acta Biomaterialia</i> , 2020 , 107, 299-312	10.8	5
141	Synthesis of highly branched hollow trimetallic PdAgCu nanoparticles. <i>Nanotechnology</i> , 2020 , 31, 185601	3.4	2
140	Facile Mixing of Phospholipids Promotes Self-Assembly of Low-Molecular-Weight Biodegradable Block Co-Polymers into Functional Vesicular Architectures. <i>Polymers</i> , 2020 , 12,	4.5	9
139	Sorbent-incorporated dipstick for direct assaying of proteases. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 1385-1393	4.4	
138	Pixelated colorimetric nucleic acid assay. <i>Talanta</i> , 2020 , 209, 120581	6.2	8
137	Protease functional assay on membrane. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127442	8.5	2
136	Gram Typing: Gram-Typing Using Conjugated Oligoelectrolytes (Adv. Funct. Mater. 42/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070281	15.6	

135	Rational Design of Functional Peptide-Gold Hybrid Nanomaterials for Molecular Interactions. <i>Advanced Materials</i> , 2020 , 32, e2000866	24	17
134	Stoichiometric Tuning of PNA Probes to AuAg Alloy Nanoparticles for Visual Detection of Nucleic Acids in Plasma. <i>ACS Sensors</i> , 2020 , 5, 2476-2485	9.2	7
133	Gram-Typing Using Conjugated Oligoelectrolytes. <i>Advanced Functional Materials</i> , 2020 , 30, 2004068	15.6	5
132	Magnetic field assisted preconcentration of biomolecules for lateral flow assaying. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 431-437	8.5	25
131	Spatially Controlled Reduction and Growth of Silver in Hollow Gold Nanoshell Particles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10614-10621	3.8	5
130	Direct quantification of surface coverage of antibody in IgG-Gold nanoparticles conjugates. <i>Talanta</i> , 2019 , 204, 875-881	6.2	21
129	Response of microbial membranes to butanol: interdigitation vs. disorder. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11903-11915	3.6	11
128	Conjugated Oligoelectrolytes: A Chain-Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability (Adv. Mater. 18/2019). <i>Advanced Materials</i> , 2019 , 31, 1970133	24	
127	Naked Eye Immunosensing of Food Biotoxins Using Gold Nanoparticle-Antibody Bioconjugates. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4150-4158	5.6	21
126	Colorimetric Detection of Salivary α -Amylase Using Maltose as a Noncompetitive Inhibitor for Polysaccharide Cleavage. <i>ACS Sensors</i> , 2019 , 4, 865-873	9.2	4
125	Flow-through colorimetric assay for detection of nucleic acids in plasma. <i>Analytica Chimica Acta</i> , 2019 , 1066, 102-111	6.6	15
124	Minimal Reconstitution of Membranous Web Induced by a Vesicle-Peptide Sol-Gel Transition. <i>Biomacromolecules</i> , 2019 , 20, 1709-1718	6.9	3
123	Highly Stable and Stretchable Conductive Films through Thermal-Radiation-Assisted Metal Encapsulation. <i>Advanced Materials</i> , 2019 , 31, e1901360	24	56
122	Towards on-site visual detection of proteases in food matrices. <i>Analytica Chimica Acta</i> , 2019 , 1078, 182-188	18.8	3
121	Core-Shell Gold/Silver Nanoparticles for Localized Surface Plasmon Resonance-Based Naked-Eye Toxin Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46462-46471	9.5	40
120	Functional fluorescence assay of botulinum neurotoxin A in complex matrices using magnetic beads. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 912-919	8.5	5
119	Sculpting nanoparticle dynamics for single-bacteria-level screening and direct binding-efficiency measurement. <i>Nature Communications</i> , 2018 , 9, 815	17.4	85
118	Luminescent Device for the Detection of Oxidative Stress Biomarkers in Artificial Urine. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7730-7736	9.5	20

117	Nanometer-precision linear sorting with synchronized optofluidic dual barriers. <i>Science Advances</i> , 2018 , 4, eaao0773	14.3	114
116	Nanoplasmonic Sensing from the Human Vision Perspective. <i>Analytical Chemistry</i> , 2018 , 90, 4916-4924	7.8	29
115	Hand-Held Volatilome Analyzer Based on Elastically Deformable Nanofibers. <i>Analytical Chemistry</i> , 2018 , 90, 5122-5129	7.8	8
114	Lipopolysaccharides detection on a grating-coupled surface plasmon resonance smartphone biosensor. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 312-317	11.8	66
113	Surface Strain Redistribution on Structured Microfibers to Enhance Sensitivity of Fiber-Shaped Stretchable Strain Sensors. <i>Advanced Materials</i> , 2018 , 30, 1704229	24	159
112	Mixed Self-Assembled Monolayers with Terminal Deuterated Anchors: Characterization and Probing of Model Lipid Membrane Formation. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 8201-8210	3.4	7
111	3D-Structured Stretchable Strain Sensors for Out-of-Plane Force Detection. <i>Advanced Materials</i> , 2018 , 30, e1707285	24	62
110	Informed Molecular Design of Conjugated Oligoelectrolytes To Increase Cell Affinity and Antimicrobial Activity. <i>Angewandte Chemie</i> , 2018 , 130, 8201-8204	3.6	6
109	Vapor phase solvatochromic responses of polydiacetylene embedded matrix polymers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1803-1809	7.1	26
108	Antialgal activity of poly(2-(dimethylamino)ethyl methacrylate) (PDMAEMA) brushes against the marine alga <i>Ulva</i> . <i>Biofouling</i> , 2017 , 33, 169-183	3.3	9
107	Inflection Point of the Localized Surface Plasmon Resonance Peak: A General Method to Improve the Sensitivity. <i>ACS Sensors</i> , 2017 , 2, 235-242	9.2	36
106	Gold mesoflowers with a high density of multilevel long sharp tips: synthesis and characterization. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4884-4891	7.1	9
105	Pulsatile Lipid Vesicles under Osmotic Stress. <i>Biophysical Journal</i> , 2017 , 112, 1682-1691	2.9	49
104	Plasmon Field-Enhanced Fluorescence Energy Transfer for Hairpin Aptamer Assay Readout. <i>ACS Sensors</i> , 2017 , 2, 916-923	9.2	14
103	High-resolution and multi-range particle separation by microscopic vibration in an optofluidic chip. <i>Lab on A Chip</i> , 2017 , 17, 2443-2450	7.2	38
102	Highly Sensitive, Label-Free Detection of 2,4-Dichlorophenoxyacetic Acid Using an Optofluidic Chip. <i>ACS Sensors</i> , 2017 , 2, 955-960	9.2	20
101	Tuning pendant groups of polythiophene on carbon nanotubes for vapour classification. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 916-922	8.5	9
100	Spontaneous formation of nanometer scale tubular vesicles in aqueous mixtures of lipid and block copolymer amphiphiles. <i>Soft Matter</i> , 2017 , 13, 1107-1115	3.6	19

99	Screening Criteria for Qualified Antibiotic Targets in Unmodified Gold Nanoparticles-Based Aptasensing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35492-35497	9.5	15
98	Surface plasmon-enhanced fluorescence on Au nanohole array for prostate-specific antigen detection. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2307-2314	7.3	19
97	Gold nanoparticle-based localized surface plasmon immunosensor for staphylococcal enterotoxin A (SEA) detection. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 6227-6234	4.4	33
96	Controlled Supramolecular Self-Assembly of Super-charged β -Lactoglobulin A-PEG Conjugates into Nanocapsules. <i>Angewandte Chemie</i> , 2017 , 129, 11916-11920	3.6	2
95	A Bottom-Up Proteomic Approach to Identify Substrate Specificity of Outer-Membrane Protease OmpT. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16531-16535	16.4	22
94	A Bottom-Up Proteomic Approach to Identify Substrate Specificity of Outer-Membrane Protease OmpT. <i>Angewandte Chemie</i> , 2017 , 129, 16758-16762	3.6	3
93	Controlled Supramolecular Self-Assembly of Super-charged β -Lactoglobulin A-PEG Conjugates into Nanocapsules. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11754-11758	16.4	7
92	Innenrücktitelbild: A Bottom-Up Proteomic Approach to Identify Substrate Specificity of Outer-Membrane Protease OmpT (Angew. Chem. 52/2017). <i>Angewandte Chemie</i> , 2017 , 129, 16905-16905 ^{3,6}	3.6	3
91	A surface plasmon field-enhanced fluorescence reversible split aptamer biosensor. <i>Analyst, The</i> , 2017 , 142, 2995-3001	5	15
90	High-Adhesion Stretchable Electrodes Based on Nanopile Interlocking. <i>Advanced Materials</i> , 2017 , 29, 1603382	24	122
89	Macromol. Mater. Eng. 7/2016. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 880-880	3.9	
88	Tuning Liposome Membrane Permeability by Competitive Peptide Dimerization and Partitioning-Folding Interactions Regulated by Proteolytic Activity. <i>Scientific Reports</i> , 2016 , 6, 21123	4.9	8
87	Exploiting Surface-Plasmon-Enhanced Light Scattering for the Design of Ultrasensitive Biosensing Modality. <i>Analytical Chemistry</i> , 2016 , 88, 11924-11930	7.8	23
86	Peptide Functionalized Gold Nanoparticles with Optimized Particle Size and Concentration for Colorimetric Assay Development: Detection of Cardiac Troponin I. <i>ACS Sensors</i> , 2016 , 1, 1416-1422	9.2	52
85	Highly Swellable, Dual-Responsive Hydrogels Based on PNIPAM and Redox Active Poly(ferrocenylsilane) Poly(ionic liquid)s: Synthesis, Structure, and Properties. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1939-1944	4.8	36
84	Optofluidic lens with low spherical and low field curvature aberrations. <i>Lab on A Chip</i> , 2016 , 16, 1617-247.2	7.2	27
83	Mixing Water, Transducing Energy, and Shaping Membranes: Autonomously Self-Regulating Giant Vesicles. <i>Langmuir</i> , 2016 , 32, 2151-63	4	47
82	Detection of Matrilysin Activity Using Polypeptide Functionalized Reduced Graphene Oxide Field-Effect Transistor Sensor. <i>Analytical Chemistry</i> , 2016 , 88, 2994-8	7.8	35

81	Tunable Plasmonic Nanohole Arrays Actuated by a Thermoresponsive Hydrogel Cushion. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 561-568	3.8	24
80	Visual detection of Al(3+) ions using conjugated copolymer-ATP supramolecular complex. <i>Analytica Chimica Acta</i> , 2016 , 912, 105-10	6.6	14
79	Directional Fluorescence emission co-enhanced by localized and propagating surface plasmons for biosensing. <i>Nanoscale</i> , 2016 , 8, 8008-16	7.7	24
78	A review on electronic bio-sensing approaches based on non-antibody recognition elements. <i>Analyst, The</i> , 2016 , 141, 2335-46	5	28
77	Tailoring Conformation-Induced Chromism of Polythiophene Copolymers for Nucleic Acid Assay at Resource Limited Settings. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8349-57	9.5	16
76	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. <i>Biophysical Journal</i> , 2016 , 110, 176-87	2.9	17
75	Component-Specific Analysis of Plasma Protein Corona Formation on Gold Nanoparticles Using Multiplexed Surface Plasmon Resonance. <i>Small</i> , 2016 , 12, 1174-82	11	43
74	Utilization of Electrospun Polystyrene Membranes as a Preliminary Step for Rapid Diagnosis. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 827-835	3.9	7
73	Macromol. Rapid Commun. 23/2016. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1980-1980	4.8	
72	Functionalization of the Polymeric Surface with Bioceramic Nanoparticles via a Novel, Nonthermal Dip Coating Method. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35565-35577	9.5	29
71	Brownian Dynamics of Electrostatically Adhering Small Vesicles to a Membrane Surface Induces Domains and Probes Viscosity. <i>Langmuir</i> , 2016 , 32, 5445-50	4	6
70	Smartphone spectrometer for colorimetric biosensing. <i>Analyst, The</i> , 2016 , 141, 3233-8	5	85
69	Highly manufacturable graphene oxide biosensor for sensitive Interleukin-6 detection. <i>RSC Advances</i> , 2015 , 5, 39245-39251	3.7	35
68	Highly stretchable gold nanobelts with sinusoidal structures for recording electrocorticograms. <i>Advanced Materials</i> , 2015 , 27, 3145-51	24	114
67	Polythiophene derivative on quartz resonators for miRNA capture and assay. <i>Analyst, The</i> , 2015 , 140, 7912-7	5	12
66	Peptide-assembled graphene oxide as a fluorescent turn-on sensor for lipopolysaccharide (endotoxin) detection. <i>Analytical Chemistry</i> , 2015 , 87, 9408-12	7.8	84
65	Electrofocusing-enhanced localized surface plasmon resonance biosensors. <i>Nanoscale</i> , 2015 , 7, 17244-8	7.7	22
64	Immunosensor based on carbon nanotube/manganese dioxide electrochemical tags. <i>Analytica Chimica Acta</i> , 2015 , 853, 228-233	6.6	30

63	Nanostructures: Highly Stretchable Gold Nanobelts with Sinusoidal Structures for Recording Electrocardiograms (Adv. Mater. 20/2015). <i>Advanced Materials</i> , 2015 , 27, 3219-3219	24	4
62	Thickness-Gradient Films for High Gauge Factor Stretchable Strain Sensors. <i>Advanced Materials</i> , 2015 , 27, 6230-7	24	230
61	Ternary DNA chip based on a novel thymine spacer group chemistry. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 125, 270-6	6	0
60	Reporter-encapsulated liposomes on graphene field effect transistors for signal enhanced detection of physiological enzymes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3451-6	3.6	7
59	Surface Modification of PMMA to Improve Adhesion to Corneal Substitutes in a Synthetic Core-Skirt Keratoprosthesis. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21690-702	9.5	34
58	Collagen-Based Artificial Corneal Scaffold with Anti-Infective Capability for Prevention of Perioperative Bacterial Infections. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1324-1334	5.5	20
57	Photo-induced conjugation of tetrazoles to modified and native proteins. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3202-6	3.9	30
56	Curvature of the localized surface plasmon resonance peak. <i>Analytical Chemistry</i> , 2014 , 86, 7399-405	7.8	39
55	Biofunctionalized gold nanoparticles for colorimetric sensing of botulinum neurotoxin A light chain. <i>Analytical Chemistry</i> , 2014 , 86, 2345-52	7.8	62
54	Polymersomes: Third-Party ATP Sensing in Polymersomes: A Label-Free Assay of Enzyme Reactions in Vesicular Compartments (Small 3/2014). <i>Small</i> , 2014 , 10, 441-441	11	1
53	Time-resolved botulinum neurotoxin A activity monitored using peptide-functionalized Au nanoparticle energy transfer sensors. <i>Chemical Science</i> , 2014 , 5, 2651-2656	9.4	27
52	Oscillatory phase separation in giant lipid vesicles induced by transmembrane osmotic differentials. <i>ELife</i> , 2014 , 3, e03695	8.9	85
51	Third-party ATP sensing in polymersomes: a label-free assay of enzyme reactions in vesicular compartments. <i>Small</i> , 2014 , 10, 442-7, 441	11	17
50	Gold-Nanoparticle-Assisted Self-Assembly of Chemical Gradients with Tunable Sub-50 nm Molecular Domains. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 209-218	3.1	17
49	Optimizing the Refractive Index Sensitivity of Plasmonically Coupled Gold Nanoparticles. <i>Plasmonics</i> , 2014 , 9, 773-780	2.4	34
48	Peptide functionalized gold nanoparticles for colorimetric detection of matrix metalloproteinase (MMP-7) activity. <i>Nanoscale</i> , 2013 , 5, 8973-6	7.7	62
47	Naked eye detection of lung cancer associated miRNA by paper based biosensing platform. <i>Analytical Chemistry</i> , 2013 , 85, 820-4	7.8	71
46	Incident-angle dependence of fluorescence enhancement and biomarker immunoassay on gold nanohole array. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 205-211	8.5	17

45	Local Refractive Index Sensing Based on Edge Gold-Coated Silver Nanoprisms. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23148-23154	3.8	39
44	Hybrid, Nanoscale Phospholipid/Block Copolymer Vesicles. <i>Polymers</i> , 2013 , 5, 1102-1114	4.5	46
43	Bio-Functional Polymer Vesicles for Applications in Nanomedicine. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2013 , 481-503		
42	Epoxy cross-linked collagen and collagen-laminin Peptide hydrogels as corneal substitutes. <i>Journal of Functional Biomaterials</i> , 2013 , 4, 162-77	4.8	40
41	Gold Coating of Silver Nanoprisms. <i>Advanced Functional Materials</i> , 2012 , 22, 849-854	15.6	108
40	Hydrogel Gradients by Self-Initiated Photografting and Photopolymerization: Preparation, Characterization, and Protein Interactions 2012 , 279-302		1
39	A facile and fast method for the functionalization of polymersomes by photoinduced cycloaddition chemistry. <i>Polymer Chemistry</i> , 2012 , 3, 302-306	4.9	18
38	Real-time determination of the activity of ATPase by use of a water-soluble polythiophene. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2369-75	4.4	5
37	Highly elastic epoxy cross-linked collagen hydrogels for corneal tissue engineering. <i>Acta Ophthalmologica</i> , 2012 , 90, 0-0	3.7	1
36	Label-free, electrochemical detection of methicillin-resistant <i>Staphylococcus aureus</i> DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3881-6	11.8	180
35	Assembly of Graphene Oxide and Au _{0.7} Ag _{0.3} Alloy Nanoparticles on SiO ₂ : A New Raman Substrate with Ultrahigh Signal-to-Background Ratio. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24080-24084	3.8	34
34	Polypeptide folding-mediated tuning of the optical and structural properties of gold nanoparticle assemblies. <i>Nano Letters</i> , 2011 , 11, 5564-73	11.5	52
33	Patterned Hydrogels for Controlled Platelet Adhesion from Whole Blood and Plasma. <i>Advanced Functional Materials</i> , 2010 , 20, 2396-2403	15.6	34
32	CTAB promoted synthesis of Au nanorods--temperature effects and stability considerations. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 25-30	9.3	59
31	Colorimetric protein sensing by controlled assembly of gold nanoparticles functionalized with synthetic receptors. <i>Small</i> , 2009 , 5, 2445-52	11	101
30	Interactions of zoospores of <i>Ulva linza</i> with arginine-rich oligopeptide monolayers. <i>Langmuir</i> , 2009 , 25, 9375-83	4	23
29	Long-chain alkylthiol assemblies containing buried in-plane stabilizing architectures. <i>Langmuir</i> , 2009 , 25, 13959-71	4	15
28	Assembly of polypeptide-functionalized gold nanoparticles through a heteroassociation- and folding-dependent bridging. <i>Nano Letters</i> , 2008 , 8, 2473-8	11.5	48

27	Folding induced assembly of polypeptide decorated gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5780-8	16.4	92
26	Poly(ethylene glycol)-containing hydrogel surfaces for antifouling applications in marine and freshwater environments. <i>Biomacromolecules</i> , 2008 , 9, 2775-83	6.9	196
25	Anomalous settlement behavior of <i>Ulva linza</i> zoospores on cationic oligopeptide surfaces. <i>Biofouling</i> , 2008 , 24, 303-12	3.3	40
24	Ab initio modeling of amide-stabilized, oligo(ethylene glycol)-terminated self-assemblies: in-SAM molecular geometry, orientation, and hydrogen bonding. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1683-7	3.8	8
23	Photografted poly(ethylene glycol) matrix for affinity interaction studies. <i>Biomacromolecules</i> , 2007 , 8, 287-95	6.9	88
22	Aggregation-induced folding of a de novo designed polypeptide immobilized on gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2194-5	16.4	66
21	Orientation of OH terminal groups in oligo(ethylene glycol)-terminated self-assemblies: results of ab initio modeling. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3489-3493	1.3	3
20	On the structure and desorption dynamics of DNA bases adsorbed on gold: a temperature-programmed study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15150-60	3.4	126
19	Alpha-helix-inducing dimerization of synthetic polypeptide scaffolds on gold. <i>Langmuir</i> , 2005 , 21, 2480-74		36
18	Functionalized Self-Assembled Monolayers on Gold as Binding Matrices for the Screening of Antibody-Antigen Interactions. <i>Mikrochimica Acta</i> , 2003 , 142, 193-203	5.8	25
17	Designed, folded polypeptide scaffolds that combine key biosensing events of recognition and reporting. <i>Journal of Organic Chemistry</i> , 2002 , 67, 3120-3	4.2	27
16	Thermal desorption behavior and binding properties of DNA bases and nucleosides on gold. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11248-9	16.4	239
15	Synthesis of a series of oligo(ethylene glycol)-terminated alkanethiol amides designed to address structure and stability of biosensing interfaces. <i>Journal of Organic Chemistry</i> , 2001 , 66, 4494-503	4.2	112
14	Protein adsorption to oligo(ethylene glycol) self-assembled monolayers: experiments with fibrinogen, heparinized plasma, and serum. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 581-97	3.5	99
13	Influence of Specific Intermolecular Interactions on the Self-Assembly and Phase Behavior of Oligo(Ethylene Glycol)-Terminated Alkanethiolates on Gold. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 5459-5469	3.4	58
12	Sensitivity deviation: instrumental linearity errors that influence concentration analyses and kinetic evaluation of biomolecular interactions. <i>Biosensors and Bioelectronics</i> , 2000 , 15, 503-9	11.8	15
11	Temperature-Driven Phase Transitions in Oligo(ethylene glycol)-terminated Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 7565-7569	3.4	49
10	Surface plasmon resonance: instrumental resolution using photo diode arrays. <i>Measurement Science and Technology</i> , 2000 , 11, 1630-1638	2	74

9	Imaging surface plasmon resonance sensor based on multiple wavelengths: Sensitivity considerations. <i>Review of Scientific Instruments</i> , 2000 , 71, 3530-3538	1.7	146
8	Self-Assembled Monolayers of Oligo(ethylene glycol)-Terminated and Amide Group Containing Alkanethiolates on Gold. <i>Langmuir</i> , 1999 , 15, 3390-3394	4	117
7	Comparison of conventional immunoassays (RIA, ELISA) with surface plasmon resonance for pesticide detection and monitoring. <i>Biotherapy (Dordrecht, Netherlands)</i> , 1998 , 11, 135-45		18
6	Thioethylpyrrole Monolayers on Gold. A Spectroscopic Study in Ultrahigh Vacuum. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 6529-6538	3.4	9
5	Molecular Gradients of π -Substituted Alkanethiols on Gold Studied by X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , 1997 , 13, 5329-5334	4	56
4	Optical and electrical investigation of semiconducting amorphous Si:P alloy thin films. <i>Journal of Applied Physics</i> , 1995 , 77, 301-307	2.5	9
3	Physical Characterization of Some Polyaniline, (N)x. <i>Molecular Crystals and Liquid Crystals</i> , 1985 , 121, 191-194		133
2	A new route to polythiophene and copolymers of thiophene and pyrrole. <i>Synthetic Metals</i> , 1985 , 11, 239-249	3.4	89
1	Surface plasmon resonance for gas detection and biosensing. <i>Sensors and Actuators</i> , 1983 , 4, 299-304		1724