Eric U Borguet

List of Publications by Year in Descending Order

146 papers	5,591 citations	45 h-index	68 g-index
156 ext. papers	6,119 ext. citations	6.8 avg, IF	5.87 L-index

#	Paper	IF	Citations
146	Vibrational Dynamics at Aqueous Mineral Interfaces. *Journal of Physical Chemistry C*, **2022**, 126, 2307-2324	3.8	4
145	Reimagining the eg1 Electronic State in Oxygen Evolution Catalysis: Oxidation-State-Modulated Superlattices as a New Type of Heterostructure for Maximizing Catalysis. *Advanced Energy Materials*, **2021**, 11, 2101636	21.8	0
144	Interplay between Intrinsic Thermal Stability and Expansion Properties of Functionalized UiO-67 Metal Organic Frameworks. *Chemistry of Materials*, **2021**, 33, 910-920	9.6	4
143	Investigations of water/oxide interfaces by molecular dynamics simulations. *Wiley Interdisciplinary Reviews: Computational Molecular Science*, **2021**, 11, e1537	7.9	4
142	Tuning the Lewis acidity of metal-organic frameworks for enhanced catalysis. *Dalton Transactions*, **2021**, 50, 3116-3120	4.3	3
141	Probing Heterogeneous Charge Distributions at the AlO(0001)/HO Interface. *Journal of the American Chemical Society*, **2020**, 142, 12096-12105	16.4	7
140	Ions Tune Interfacial Water Structure and Modulate Hydrophobic Interactions at Silica Surfaces. *Journal of the American Chemical Society*, **2020**, 142, 6991-7000	16.4	29
139	First-Principles Calculation of Water p Using the Newly Developed SCAN Functional. *Journal of Physical Chemistry Letters*, **2020**, 11, 54-59	6.4	12
138	Modeling of Diffusion of Acetone in UiO-66. *Journal of Physical Chemistry C*, **2020**, 124, 28469-28478	3.8	10
137	Combined Impact of Denticity and Orientation on Molecular-Scale Charge Transport. *Journal of Physical Chemistry C*, **2020**, 124, 9460-9469	3.8	1
136	Potential-Induced High-Conductance Transport Pathways through Single-Molecule Junctions. *Journal of the American Chemical Society*, **2019**, 141, 10109-10116	16.4	11
135	Bond-Dependent Thole Model for Polarizability and Spectroscopy. *Journal of Physical Chemistry A*, **2019**, 123, 5378-5387	2.8	3
134	Anisotropic Conductivity at the Single-Molecule Scale. *Angewandte Chemie - International Edition*, **2019**, 58, 14275-14280	16.4	14
133	Sodium Halide Adsorption and Water Structure at the Alumina(0001)/Water Interface. *Journal of Physical Chemistry C*, **2019**, 123, 15618-15628	3.8	13
132	Synthesis and Properties of Au Hydride. *ChemistrySelect*, **2019**, 4, 4287-4292	1.8	3
131	Effect of Functional and Electron Correlation on the Structure and Spectroscopy of the AlO(001)-HO Interface. *Journal of Physical Chemistry Letters*, **2019**, 10, 2031-2036	6.4	14
130	Design, Synthesis, and Characterization of Metal Organic Frameworks for Enhanced Sorption of Chemical Warfare Agent Simulants. *Journal of Physical Chemistry C*, **2019**, 123, 19748-19758	3.8	21

129	Monovalent and Divalent Cations at the Al2O3(0001)/Water Interface: How Cation Identity Affects Interfacial Ordering and Vibrational Dynamics. *Journal of Physical Chemistry C*, **2019**, 123, 18315-18324	3.8	22
128	Anisotropic Conductivity at the Single-Molecule Scale. *Angewandte Chemie*, **2019**, 131, 14413-14418	3.6	6
127	Innentitelbild: Anisotropic Conductivity at the Single-Molecule Scale (Angew. Chem. 40/2019). *Angewandte Chemie*, **2019**, 131, 14138-14138	3.6	1
126	Tribute to Hai-Lung Dai. *Journal of Physical Chemistry A*, **2019**, 123, 10463-10464	2.8	
125	Structural evolution and electrical properties of metal ion-containing polydopamine. *Journal of Materials Science*, **2019**, 54, 6393-6400	4.3	12
124	Systematic Doping of Cobalt into Layered Manganese Oxide Sheets Substantially Enhances Water Oxidation Catalysis. *Inorganic Chemistry*, **2018**, 57, 557-564	5.1	35
123	Synergistic In-Layer Cobalt Doping and Interlayer Iron Intercalation into Layered MnO2 Produces an Efficient Water Oxidation Electrocatalyst. *ACS Energy Letters*, **2018**, 3, 2280-2285	20.1	21
122	Effect of Halide Anions on the Structure and Dynamics of Water Next to an Alumina (0001) Surface. *Journal of Physical Chemistry C*, **2018**, 122, 12819-12830	3.8	19
121	Effect of Intercalated Metals on the Electrocatalytic Activity of 1T-MoS2 for the Hydrogen Evolution Reaction. *ACS Energy Letters*, **2018**, 3, 7-13	20.1	132
120	Relating Interfacial Order to Sum Frequency Generation with Ab Initio Simulations of the Aqueous Al2O3(0001) and (112 0) Interfaces. *Journal of Physical Chemistry C*, **2018**, 122, 21284-21294	3.8	20
119	Ultrabroadband mid-infrared noncollinear difference frequency generation in a silver thiogallate crystal. *Optics Letters*, **2018**, 43, 4402-4405	3	7
118	Effect of Interlayer Spacing on the Activity of Layered Manganese Oxide Bilayer Catalysts for the Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2017**, 139, 1863-1870	16.4	103
117	Structure Evolution and Thermoelectric Properties of Carbonized Polydopamine Thin Films. *ACS Applied Materials & Interfaces*, **2017**, 9, 6655-6660	9.5	53
116	Insights on Interfacial Structure, Dynamics, and Proton Transfer from Ultrafast Vibrational Sum Frequency Generation Spectroscopy of the Alumina(0001)/Water Interface. *Journal of Physical Chemistry C*, **2017**, 121, 5168-5177	3.8	45
115	Electrical and mechanical properties of poly(dopamine)-modified copper/reduced graphene oxide composites. *Journal of Materials Science*, **2017**, 52, 11620-11629	4.3	39
114	Amine-Directed Hydrogen-Bonded Two-Dimensional Supramolecular Structures. *ChemPhysChem*, **2016**, 17, 3385-3389	3.2	7
113	Resolving the source of blue luminescence from alkyl-capped silicon nanoparticles synthesized by laser pulse ablation. *Journal of Materials Chemistry C*, **2016**, 4, 6894-6899	7.1	7
112	Sensing Hydrogen Gas from Atmospheric Pressure to a Hundred Parts per Million with Nanogaps Fabricated Using a Single-Step Bending Deformation. *ACS Sensors*, **2016**, 1, 73-80	9.2	25

111	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. *Angewandte Chemie*, **2016**, 128, 10537-10541	3.6	20
110	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. *Angewandte Chemie - International Edition*, **2016**, 55, 10381-5	16.4	92
109	Capturing the Ultrafast Vibrational Decoherence of Hydrogen Bonding in Interfacial Water. *Journal of Physical Chemistry Letters*, **2016**, 7, 5080-5085	6.4	6
108	Spectroscopy and Ultrafast Vibrational Dynamics of Strongly Hydrogen Bonded OH Species at the □Al2O3(112 0)/H2O Interface. *Journal of Physical Chemistry C*, **2016**, 120, 16153-16161	3.8	33
107	Intercalation of Cobalt into the Interlayer of Birnessite Improves Oxygen Evolution Catalysis. *ACS Catalysis*, **2016**, 6, 7739-7743	13.1	64
106	Palladium nanoparticle-based surface acoustic wave hydrogen sensor. *ACS Applied Materials & Interfaces*, **2015**, 7, 5709-14	9.5	69
105	Copper-Intercalated Birnessite as a Water Oxidation Catalyst. *Langmuir*, **2015**, 31, 12807-13	4	55
104	Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. *Nanoscale*, **2015**, 7, 6827-35	7.7	25
103	Towards graphyne molecular electronics. *Nature Communications*, **2015**, 6, 6321	17.4	112
102	Single-molecule sensing of environmental pH--an STM break junction and NEGF-DFT approach. *Angewandte Chemie - International Edition*, **2014**, 53, 1098-102	16.4	59
101	Hapticity-dependent charge transport through carbodithioate-terminated [5,15-bis(phenylethynyl)porphinato]zinc(II) complexes in metal-molecule-metal junctions. *Nano Letters*, **2014**, 14, 5493-9	11.5	23
100	Vibrational Dynamics of Interfacial Water by Free Induction Decay Sum Frequency Generation (FID-SFG) at the Al2O3(1120)/H2O Interface. *Journal of Physical Chemistry Letters*, **2014**, 5, 528-33	6.4	25
99	Regulating a benzodifuran single molecule redox switch via electrochemical gating and optimization of molecule/electrode coupling. *Journal of the American Chemical Society*, **2014**, 136, 8867-70	16.4	84
98	Seeing is believing: hot electron based gold nanoplasmonic optical hydrogen sensor. *ACS Nano*, **2014**, 8, 7755-62	16.7	72
97	Structure of water at charged interfaces: a molecular dynamics study. *Langmuir*, **2014**, 30, 8056-65	4	102
96	Single-Molecule Sensing of Environmental pH□n STM Break Junction and NEGF-DFT Approach. *Angewandte Chemie*, **2014**, 126, 1116-1120	3.6	26
95	Orientation-controlled single-molecule junctions. *Angewandte Chemie - International Edition*, **2014**, 53, 9771-4	16.4	31
94	Orientation-Controlled Single-Molecule Junctions. *Angewandte Chemie*, **2014**, 126, 9929-9932	3.6	7

93	Effect of Anchoring Groups on Single Molecule Charge Transport through Porphyrins. *Journal of Physical Chemistry C*, **2013**, 117, 14890-14898	3.8	78
92	Hydrophobicity of hydroxylated amorphous fused silica surfaces. *Langmuir*, **2013**, 29, 7885-95	4	43
91	The single-molecule conductance and electrochemical electron-transfer rate are related by a power law. *ACS Nano*, **2013**, 7, 5391-401	16.7	59
90	Observation of the Bending Mode of Interfacial Water at Silica Surfaces by Near-Infrared Vibrational Sum-Frequency Generation Spectroscopy of the [Stretch + Bend] Combination Bands. *Journal of Physical Chemistry Letters*, **2013**, 4, 531-5	6.4	29
89	Experimental Correlation Between Interfacial Water Structure and Mineral Reactivity. *Journal of Physical Chemistry Letters*, **2013**, 4, 1977-82	6.4	82
88	Generation of sub-30-fs microjoule mid-infrared pulses for ultrafast vibrational dynamics at solid/liquid interfaces. *Optics Letters*, **2013**, 38, 5008-11	3	7
87	Ultrabroadband few-cycle infrared pulse generation from a noncollinear optical parametric amplifier based on bulk niobate crystals. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 2075	1.7	6
86	Spectroscopy and Dynamics of the Multiple Free OH Species at an Aqueous/Hydrophobic Interface. *Journal of Physical Chemistry C*, **2012**, 116, 21734-21741	3.8	13
85	Determining charge transport pathways through single porphyrin molecules using scanning tunneling microscopy break junctions. *Journal of the American Chemical Society*, **2012**, 134, 63-6	16.4	58
84	Oxygen-containing functionalities on the surface of multi-walled carbon nanotubes quantitatively determined by fluorescent labeling. *Applied Surface Science*, **2012**, 258, 10185-10190	6.7	7
83	Electrochemical nanoscale templating: laterally self-aligned growth of organic-metal nanostructures. *Langmuir*, **2012**, 28, 17537-44	4	5
82	Quasi-ohmic single molecule charge transport through highly conjugated meso-to-meso ethyne-bridged porphyrin wires. *Nano Letters*, **2012**, 12, 2722-7	11.5	81
81	Ultra-broadband sum-frequency vibrational spectrometer of aqueous interfaces based on a non-collinear optical parametric amplifier. *Optics Express*, **2012**, 20, 547-61	3.3	21
80	Fluorescence quenching of dyes covalently attached to single-walled carbon nanotubes. *Journal of Physical Chemistry A*, **2011**, 115, 9579-84	2.8	42
79	Dramatic reduction of IR vibrational cross sections of molecules encapsulated in carbon nanotubes. *Journal of the American Chemical Society*, **2011**, 133, 8191-8	16.4	33
78	TiO(2)/LiCl-based nanostructured thin film for humidity sensor applications. *ACS Applied Materials & Interfaces*, **2011**, 3, 528-33	9.5	88
77	Self-assembly of insoluble porphyrins on Au(111) under aqueous electrochemical control. *Langmuir*, **2011**, 27, 14828-33	4	17
76	Effect of Electric Fields on the Ultrafast Vibrational Relaxation of Water at a Charged Solid□liquid Interface as Probed by Vibrational Sum Frequency Generation. *Journal of Physical Chemistry Letters*, **2011**, 2, 1353-1358	6.4	72

75	Metastable Phase of the Au(111) Surface in Electrolyte Revealed by STM and Asymmetric Potential Pulse Perturbation. *Journal of Physical Chemistry C*, **2011**, 115, 5726-5731	3.8	9
74	Thin polymer film based rapid surface acoustic wave humidity sensors. *Sensors and Actuators B: Chemical*, **2011**, 156, 444-449	8.5	76
73	Second harmonic generation probing of dopant type and density at the Si/SiO2 interface. *Applied Physics Letters*, **2011**, 98, 041905	3.4	15
72	Ultrafast vibrational dynamics and spectroscopy of a siloxane self-assembled monolayer. *Journal of Chemical Physics*, **2011**, 134, 084701	3.9	31
71	Optimizing single-molecule conductivity of conjugated organic oligomers with carbodithioate linkers. *Journal of the American Chemical Society*, **2010**, 132, 7946-56	16.4	90
70	Effect of hydrogen-bond strength on the vibrational relaxation of interfacial water. *Journal of the American Chemical Society*, **2010**, 132, 3756-61	16.4	106
69	Linking Surface Potential and Deprotonation in Nanoporous Silica: Second Harmonic Generation and Acid/Base Titration. *Journal of Physical Chemistry C*, **2010**, 114, 18465-18473	3.8	50
68	An STM study of the pH dependent redox activity of a two-dimensional hydrogen bonding porphyrin network at an electrochemical interface. *Journal of the American Chemical Society*, **2010**, 132, 5054-60	16.4	46
67	High-repetition-rate near-infrared noncollinear ultrabroadband optical parametric amplification in KTiOPO4. *Optics Letters*, **2010**, 35, 3832-4	3	14
66	Contact Angle Measurements Using a Simplified Experimental Setup. *Journal of Chemical Education* , **2010**, 87, 1403-1407	2.4	147
65	Neuronal adhesion and differentiation driven by nanoscale surface free-energy gradients. *Biomaterials*, **2010**, 31, 3762-71	15.6	39
64	Impact of synthesis conditions on surface chemistry and structure of carbide-derived carbons. *Thermochimica Acta*, **2010**, 497, 137-142	2.9	40
63	Temperature and pressure dependence of molecular adsorption on single wall carbon nanotubes and the existence of an adsorption/desorption pressure gap *Carbon*, **2010**, 48, 1867-1875	10.4	16
62	Detecting and quantifying oxygen functional groups on graphite nanofibers by fluorescence labeling of surface species. *Carbon*, **2010**, 48, 4256-4267	10.4	19
61	Effect of surface charge on the vibrational dynamics of interfacial water. *Journal of the American Chemical Society*, **2009**, 131, 12034-5	16.4	99
60	Pulse-front matching of ultrabroadband near-infrared noncollinear optical parametric amplified pulses. *Journal of the Optical Society of America B: Optical Physics*, **2009**, 26, 965	1.7	31
59	Fluorescence labeling and quantification of oxygen-containing functionalities on the surface of single-walled carbon nanotubes. *Langmuir*, **2009**, 25, 7573-7	4	48
58	Electrodeposition of metal wires onto a molecular scale template: an in situ investigation. *Langmuir* , **2009**, 25, 5491-5	4	9

57	Purification of carbon nanotubes by dynamic oxidation in air. *Journal of Materials Chemistry*, **2009**, 19, 7904		46
56	Ultra-Broadband Infrared Pulses from a Potassium-Titanyl Phosphate Optical Parametric Amplifier for VIS-IR-SFG Spectroscopy. *Springer Series in Chemical Physics*, **2009**, 777-779	0.3	
55	Charge Transfer through Single-Stranded Peptide Nucleic Acid Composed of Thymine Nucleotides. *Journal of Physical Chemistry C*, **2008**, 112, 7233-7240	3.8	45
54	Generation of ultra-broadband pulses in the near-IR by non-collinear optical parametric amplification in potassium titanyl phosphate. *Optics Express*, **2008**, 16, 3949-54	3.3	34
53	Interaction of acetone with single wall carbon nanotubes at cryogenic temperatures: a combined temperature programmed desorption and theoretical study. *Langmuir*, **2008**, 24, 7848-56	4	26
52	Self-assembled monolayer compatible with metal surface acoustic wave devices on lithium niobate. *Langmuir*, **2008**, 24, 5161-5	4	16
51	Second Harmonic Generation as a Probe of Multisite Adsorption at Solid□iquid Interfaces of Aqueous Colloid Suspensions□*Journal of Physical Chemistry C*, **2007**, 111, 8805-8813	3.8	22
50	Photoreactivity of Si(111)□H in Ambient. *Journal of Physical Chemistry C*, **2007**, 111, 234-239	3.8	7
49	Dynamics of porphyrin electron-transfer reactions at the electrode-electrolyte interface at the molecular level. *Angewandte Chemie - International Edition*, **2007**, 46, 6098-101	16.4	36
48	Dynamics of Porphyrin Electron-Transfer Reactions at the Electrode□Electrolyte Interface at the Molecular Level. *Angewandte Chemie*, **2007**, 119, 6210-6213	3.6	7
47	Chemical labeling for quantitative characterization of surface chemistry. *Current Opinion in Solid State and Materials Science*, **2007**, 11, 86-91	12	34
46	Potential-Induced Structural Change in a Self-Assembled Monolayer of 4-Methylbenzenethiol on Au(111). *Journal of Physical Chemistry C*, **2007**, 111, 6335-6342	3.8	50
45	Specificity and sensitivity of fluorescence labeling of surface species. *Langmuir*, **2007**, 23, 684-8	4	37
44	Sulfur Impregnation on Activated Carbon Fibers through H2S Oxidation for Vapor Phase Mercury Removal. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 292-300	2	37
43	Ultrafast hot-carrier dynamics at chemically modified Ge interfaces probed by SHG. *Journal of Physical Chemistry B*, **2006**, 110, 19784-7	3.4	3
42	Adsorption and electrochemical activity: an in situ electrochemical scanning tunneling microscopy study of electrode reactions and potential-induced adsorption of porphyrins. *Journal of Physical Chemistry B*, **2006**, 110, 6141-7	3.4	38
41	Nanolithographic write, read, and erase via reversible nanotemplated nanostructure electrodeposition on alkanethiol-modified Au(111) in an aqueous solution. *Langmuir*, **2006**, 22, 1388-91	4	29
40	Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling. *Carbon*, **2006**, 44, 1203-1209	10.4	37

39	Sulfurization of carbon surface for vapor phase mercury removal □I: Effect of temperature and sulfurization protocol. *Carbon*, **2006**, 44, 2990-2997	10.4	61
38	Sulfurization of a carbon surface for vapor phase mercury removal □II: Sulfur forms and mercury uptake. *Carbon*, **2006**, 44, 2998-3004	10.4	122
37	Sensitivity of ammonia interaction with single-walled carbon nanotube bundles to the presence of defect sites and functionalities. *Journal of the American Chemical Society*, **2005**, 127, 10533-8	16.4	156
36	Probing surface short range order and inter-adsorbate interactions through IR vibrational spectroscopy: CO on Cu(100). *Journal of Physical Chemistry B*, **2005**, 109, 8509-12	3.4	13
35	Mechanism of UV photoreactivity of alkylsiloxane self-assembled monolayers. *Journal of Physical Chemistry B*, **2005**, 109, 9927-38	3.4	56
34	Conjugated thiol linker for enhanced electrical conduction of gold-molecule contacts. *Journal of Physical Chemistry B*, **2005**, 109, 5398-402	3.4	72
33	Adsorption of hydrogen sulfide onto activated carbon fibers: effect of pore structure and surface chemistry. *Environmental Science & Technology*, **2005**, 39, 9744-9	10.3	137
32	Optical second harmonic generation studies of ultrathin high-k dielectric stacks. *Journal of Applied Physics*, **2005**, 97, 083711	2.5	20
31	In situ second-harmonic generation measurements of the stability of Si(111)□H and kinetics of oxide regrowth in ambient. *Journal of Applied Physics*, **2004**, 95, 4675-4680	2.5	12
30	Fluorescence detection of surface-bound intermediates produced from UV photoreactivity of alkylsiloxane SAMs. *Journal of the American Chemical Society*, **2004**, 126, 2260-1	16.4	46
29	Ultrafast Time-Evolution of the Nonlinear Susceptibility of Hot Carriers at the Ge(111)□GeO2 Interface As Probed by SHG. *Journal of Physical Chemistry B*, **2004**, 108, 3789-3793	3.4	11
28	A Vibrational Spectroscopic Study of the Fate of Oxygen-Containing Functional Groups and Trapped CO2in Single-Walled Carbon Nanotubes During Thermal Treatment. *Journal of Physical Chemistry B*, **2004**, 108, 19949-19954	3.4	37
27	The effect of surface chemical functional groups on the adsorption and desorption of a polar molecule, acetone, from a model carbonaceous surface, graphite. *Surface Science*, **2003**, 522, 17-26	1.8	35
26	Ambient stability of chemically passivated germanium interfaces. *Surface Science*, **2003**, 543, 63-74	1.8	105
25	Combined electron-hole dynamics at UV-irradiated ultrathin Si□SiO2 interfaces probed by second harmonic generation. *Physical Review B*, **2003**, 68,	3.3	12
24	Infrared second harmonic generation spectroscopy of Ge(111) interfaces. *Journal of Chemical Physics*, **2003**, 119, 3958-3962	3.9	8
23	Dynamics and second-order nonlinear optical susceptibility of photoexcited carriers at Si(111) interfaces. *Applied Physics Letters*, **2003**, 83, 2357-2359	3.4	9
22	Enhancement of adsorption on graphite (HOPG) by modification of surface chemical functionality and morphology. *Carbon*, **2002**, 40, 2351-2358	10.4	32

21	Second harmonic generation investigations of charge transfer at chemically-modified semiconductor interfaces. *Journal of Applied Physics*, **2002**, 91, 4394-4398	2.5	14
20	The Role of Hydrophobic Chains in Self-Assembly at Electrified Interfaces: Observation of Potential-Induced Transformations of Two-Dimensional Crystals of Hexadecane by In-situ Scanning Tunneling Microscopy. *Journal of Physical Chemistry B*, **2002**, 106, 11264-11271	3.4	43
19	Impact of surface heterogeneity on mercury uptake by carbonaceous sorbents under UHV and atmospheric pressure. *Environmental Science & Technology*, **2002**, 36, 4162-9	10.3	24
18	Combined Experimental and Theoretical Investigation of Polar Organic Adsorption/Desorption from Model Carbonaceous Surfaces: Acetone on Graphite. *Langmuir*, **2002**, 18, 2595-2600	4	19
17	Porphyrin self-assembly at electrochemical interfaces: role of potential modulated surface mobility. *Journal of the American Chemical Society*, **2002**, 124, 11964-70	16.4	104
16	Effect of local environment on nanoscale dynamics at electrochemical interfaces: anisotropic growth and dissolution in the presence of a step providing evidence for a schwoebel-ehrlich barrier at solid/liquid interfaces. *Faraday Discussions*, **2002**, 17-25, discussion 97-127	3.6	17
15	Layering and orientational ordering of propane on graphite: An experimental and simulation study. *Journal of Chemical Physics*, **2002**, 117, 7719-7731	3.9	20
14	Second-harmonic generation from chemically modified Ge(111) interfaces. *Journal of Chemical Physics*, **2002**, 116, 6745-6754	3.9	12
13	Nonquadratic second-harmonic generation from semiconductor-oxide interfaces. *Physical Review B*, **2001**, 63,	3.3	19
12	Nonquadratic Second-Harmonic Generation at Interfaces. *Optics and Photonics News*, **2001**, 12, 41	1.9	2
11	Photoreactivity of Alkylsiloxane Self-Assembled Monolayers on Silicon Oxide Surfaces. *Langmuir*, **2001**, 17, 4497-4500	4	51
10	Picosecond infrared optical parametric amplifier for nonlinear interface spectroscopy. *Review of Scientific Instruments*, **2000**, 71, 4050	1.7	12
9	Generalized Interface Polarity Scale Based on Second Harmonic Spectroscopy. *Journal of Physical Chemistry B*, **1998**, 102, 4927-4932	3.4	133
8	Polarity of Liquid Interfaces by Second Harmonic Generation Spectroscopy. *Journal of Physical Chemistry A*, **1997**, 101, 713-718	2.8	128
7	Monitoring adsorption and desorption on a metal surface by optical non-resonant reflectivity changes. *Surface Science*, **1996**, 369, L122-L130	1.8	15
6	Second harmonic generation from the surface of centrosymmetric particles in bulk solution. *Chemical Physics Letters*, **1996**, 259, 15-20	2.5	202
5	Adsorbate-induced reflectivity changes in the visible region on a metal surface **1995**, 2547, 30		
4	TIME-RESOLVED DIODE LASER IR REFLECTION-ABSORPTION SPECTROSCOPY. *Advanced Series in Physical Chemistry*, **1995**, 243-274		

3	Site-specific properties and dynamical dipole coupling of CO molecules adsorbed on a vicinal Cu(100) surface. *Journal of Chemical Physics*, **1994**, 101, 9080-9095	3.9	58
2	Strong dynamical dipole coupling between CO molecules adsorbed at two distinct sites on Cu(100). *Chemical Physics Letters*, **1992**, 194, 57-61	2.5	21
1	Time-resolved surface kinetics by IR diode laser reflection-absorption spectroscopy. *Journal of Electron Spectroscopy and Related Phenomena*, **1990**, 54-55, 573-580	1.7	7