

Eric U Borguet

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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.

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	Second harmonic generation from the surface of centrosymmetric particles in bulk solution. <i>Chemical Physics Letters</i> , 1996 , 259, 15-20	2.5	202
145	Sensitivity of ammonia interaction with single-walled carbon nanotube bundles to the presence of defect sites and functionalities. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10533-8	16.4	156
144	Contact Angle Measurements Using a Simplified Experimental Setup. <i>Journal of Chemical Education</i> , 2010 , 87, 1403-1407	2.4	147
143	Adsorption of hydrogen sulfide onto activated carbon fibers: effect of pore structure and surface chemistry. <i>Environmental Science & Technology</i> , 2005 , 39, 9744-9	10.3	137
142	Generalized Interface Polarity Scale Based on Second Harmonic Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 4927-4932	3.4	133
141	Effect of Intercalated Metals on the Electrocatalytic Activity of 1T-MoS ₂ for the Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , 2018 , 3, 7-13	20.1	132
140	Polarity of Liquid Interfaces by Second Harmonic Generation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 713-718	2.8	128
139	Sulfurization of a carbon surface for vapor phase mercury removal III: Sulfur forms and mercury uptake. <i>Carbon</i> , 2006 , 44, 2998-3004	10.4	122
138	Towards graphyne molecular electronics. <i>Nature Communications</i> , 2015 , 6, 6321	17.4	112
137	Effect of hydrogen-bond strength on the vibrational relaxation of interfacial water. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3756-61	16.4	106
136	Ambient stability of chemically passivated germanium interfaces. <i>Surface Science</i> , 2003 , 543, 63-74	1.8	105
135	Porphyrin self-assembly at electrochemical interfaces: role of potential modulated surface mobility. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11964-70	16.4	104
134	Effect of Interlayer Spacing on the Activity of Layered Manganese Oxide Bilayer Catalysts for the Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1863-1870	16.4	103
133	Structure of water at charged interfaces: a molecular dynamics study. <i>Langmuir</i> , 2014 , 30, 8056-65	4	102
132	Effect of surface charge on the vibrational dynamics of interfacial water. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12034-5	16.4	99
131	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10381-5	16.4	92
130	Optimizing single-molecule conductivity of conjugated organic oligomers with carbodithioate linkers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7946-56	16.4	90

129	TiO(2)/LiCl-based nanostructured thin film for humidity sensor applications. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 528-33	9.5	88
128	Regulating a benzodifuran single molecule redox switch via electrochemical gating and optimization of molecule/electrode coupling. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8867-70	16.4	84
127	Experimental Correlation Between Interfacial Water Structure and Mineral Reactivity. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1977-82	6.4	82
126	Quasi-ohmic single molecule charge transport through highly conjugated meso-to-meso ethyne-bridged porphyrin wires. <i>Nano Letters</i> , 2012 , 12, 2722-7	11.5	81
125	Effect of Anchoring Groups on Single Molecule Charge Transport through Porphyrins. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14890-14898	3.8	78
124	Thin polymer film based rapid surface acoustic wave humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 444-449	8.5	76
123	Seeing is believing: hot electron based gold nanoplasmonic optical hydrogen sensor. <i>ACS Nano</i> , 2014 , 8, 7755-62	16.7	72
122	Effect of Electric Fields on the Ultrafast Vibrational Relaxation of Water at a Charged Solid-Liquid Interface as Probed by Vibrational Sum Frequency Generation. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1353-1358	6.4	72
121	Conjugated thiol linker for enhanced electrical conduction of gold-molecule contacts. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5398-402	3.4	72
120	Palladium nanoparticle-based surface acoustic wave hydrogen sensor. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5709-14	9.5	69
119	Intercalation of Cobalt into the Interlayer of Birnessite Improves Oxygen Evolution Catalysis. <i>ACS Catalysis</i> , 2016 , 6, 7739-7743	13.1	64
118	Sulfurization of carbon surface for vapor phase mercury removal II: Effect of temperature and sulfurization protocol. <i>Carbon</i> , 2006 , 44, 2990-2997	10.4	61
117	Single-molecule sensing of environmental pH--an STM break junction and NEGF-DFT approach. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1098-102	16.4	59
116	The single-molecule conductance and electrochemical electron-transfer rate are related by a power law. <i>ACS Nano</i> , 2013 , 7, 5391-401	16.7	59
115	Determining charge transport pathways through single porphyrin molecules using scanning tunneling microscopy break junctions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 63-6	16.4	58
114	Site-specific properties and dynamical dipole coupling of CO molecules adsorbed on a vicinal Cu(100) surface. <i>Journal of Chemical Physics</i> , 1994 , 101, 9080-9095	3.9	58
113	Mechanism of UV photoreactivity of alkylsiloxane self-assembled monolayers. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9927-38	3.4	56
112	Copper-Intercalated Birnessite as a Water Oxidation Catalyst. <i>Langmuir</i> , 2015 , 31, 12807-13	4	55

111	Structure Evolution and Thermoelectric Properties of Carbonized Polydopamine Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6655-6660	9.5	53
110	Photoreactivity of Alkylsiloxane Self-Assembled Monolayers on Silicon Oxide Surfaces. <i>Langmuir</i> , 2001 , 17, 4497-4500	4	51
109	Linking Surface Potential and Deprotonation in Nanoporous Silica: Second Harmonic Generation and Acid/Base Titration. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18465-18473	3.8	50
108	Potential-Induced Structural Change in a Self-Assembled Monolayer of 4-Methylbenzenethiol on Au(111). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6335-6342	3.8	50
107	Fluorescence labeling and quantification of oxygen-containing functionalities on the surface of single-walled carbon nanotubes. <i>Langmuir</i> , 2009 , 25, 7573-7	4	48
106	An STM study of the pH dependent redox activity of a two-dimensional hydrogen bonding porphyrin network at an electrochemical interface. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5054-60	16.4	46
105	Purification of carbon nanotubes by dynamic oxidation in air. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7904		46
104	Fluorescence detection of surface-bound intermediates produced from UV photoreactivity of alkylsiloxane SAMs. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2260-1	16.4	46
103	Insights on Interfacial Structure, Dynamics, and Proton Transfer from Ultrafast Vibrational Sum Frequency Generation Spectroscopy of the Alumina(0001)/Water Interface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5168-5177	3.8	45
102	Charge Transfer through Single-Stranded Peptide Nucleic Acid Composed of Thymine Nucleotides. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7233-7240	3.8	45
101	Hydrophobicity of hydroxylated amorphous fused silica surfaces. <i>Langmuir</i> , 2013 , 29, 7885-95	4	43
100	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. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11264-11271	3.4	43
99	Fluorescence quenching of dyes covalently attached to single-walled carbon nanotubes. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9579-84	2.8	42
98	Impact of synthesis conditions on surface chemistry and structure of carbide-derived carbons. <i>Thermochimica Acta</i> , 2010 , 497, 137-142	2.9	40
97	Electrical and mechanical properties of poly(dopamine)-modified copper/reduced graphene oxide composites. <i>Journal of Materials Science</i> , 2017 , 52, 11620-11629	4.3	39
96	Neuronal adhesion and differentiation driven by nanoscale surface free-energy gradients. <i>Biomaterials</i> , 2010 , 31, 3762-71	15.6	39
95	Adsorption and electrochemical activity: an in situ electrochemical scanning tunneling microscopy study of electrode reactions and potential-induced adsorption of porphyrins. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6141-7	3.4	38
94	Sulfur Impregnation on Activated Carbon Fibers through H ₂ S Oxidation for Vapor Phase Mercury Removal. <i>Journal of Environmental Engineering, ASCE</i> , 2006 , 132, 292-300	2	37

93	Specificity and sensitivity of fluorescence labeling of surface species. <i>Langmuir</i> , 2007 , 23, 684-8	4	37
92	Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling. <i>Carbon</i> , 2006 , 44, 1203-1209	10.4	37
91	A Vibrational Spectroscopic Study of the Fate of Oxygen-Containing Functional Groups and Trapped CO ₂ in Single-Walled Carbon Nanotubes During Thermal Treatment. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 19949-19954	3.4	37
90	Dynamics of porphyrin electron-transfer reactions at the electrode-electrolyte interface at the molecular level. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6098-101	16.4	36
89	Systematic Doping of Cobalt into Layered Manganese Oxide Sheets Substantially Enhances Water Oxidation Catalysis. <i>Inorganic Chemistry</i> , 2018 , 57, 557-564	5.1	35
88	The effect of surface chemical functional groups on the adsorption and desorption of a polar molecule, acetone, from a model carbonaceous surface, graphite. <i>Surface Science</i> , 2003 , 522, 17-26	1.8	35
87	Generation of ultra-broadband pulses in the near-IR by non-collinear optical parametric amplification in potassium titanyl phosphate. <i>Optics Express</i> , 2008 , 16, 3949-54	3.3	34
86	Chemical labeling for quantitative characterization of surface chemistry. <i>Current Opinion in Solid State and Materials Science</i> , 2007 , 11, 86-91	12	34
85	Dramatic reduction of IR vibrational cross sections of molecules encapsulated in carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8191-8	16.4	33
84	Spectroscopy and Ultrafast Vibrational Dynamics of Strongly Hydrogen Bonded OH Species at the $\text{Al}_2\text{O}_3(112\ 0)/\text{H}_2\text{O}$ Interface. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16153-16161	3.8	33
83	Enhancement of adsorption on graphite (HOPG) by modification of surface chemical functionality and morphology. <i>Carbon</i> , 2002 , 40, 2351-2358	10.4	32
82	Orientation-controlled single-molecule junctions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9771-4	16.4	31
81	Ultrafast vibrational dynamics and spectroscopy of a siloxane self-assembled monolayer. <i>Journal of Chemical Physics</i> , 2011 , 134, 084701	3.9	31
80	Pulse-front matching of ultrabroadband near-infrared noncollinear optical parametric amplified pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 965	1.7	31
79	Ions Tune Interfacial Water Structure and Modulate Hydrophobic Interactions at Silica Surfaces. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6991-7000	16.4	29
78	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. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 531-5	6.4	29
77	Nanolithographic write, read, and erase via reversible nanotemplated nanostructure electrodeposition on alkanethiol-modified Au(111) in an aqueous solution. <i>Langmuir</i> , 2006 , 22, 1388-91	4	29
76	Single-Molecule Sensing of Environmental pH in STM Break Junction and NEGF-DFT Approach. <i>Angewandte Chemie</i> , 2014 , 126, 1116-1120	3.6	26

75	Interaction of acetone with single wall carbon nanotubes at cryogenic temperatures: a combined temperature programmed desorption and theoretical study. <i>Langmuir</i> , 2008 , 24, 7848-56	4	26
74	Sensing Hydrogen Gas from Atmospheric Pressure to a Hundred Parts per Million with Nanogaps Fabricated Using a Single-Step Bending Deformation. <i>ACS Sensors</i> , 2016 , 1, 73-80	9.2	25
73	Vibrational Dynamics of Interfacial Water by Free Induction Decay Sum Frequency Generation (FID-SFG) at the Al ₂ O ₃ (1120)/H ₂ O Interface. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 528-33	6.4	25
72	Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. <i>Nanoscale</i> , 2015 , 7, 6827-35	7.7	25
71	Impact of surface heterogeneity on mercury uptake by carbonaceous sorbents under UHV and atmospheric pressure. <i>Environmental Science & Technology</i> , 2002 , 36, 4162-9	10.3	24
70	Hapticity-dependent charge transport through carbodithioate-terminated [5,15-bis(phenylethynyl)porphinato]zinc(II) complexes in metal-molecule-metal junctions. <i>Nano Letters</i> , 2014 , 14, 5493-9	11.5	23
69	Monovalent and Divalent Cations at the Al ₂ O ₃ (0001)/Water Interface: How Cation Identity Affects Interfacial Ordering and Vibrational Dynamics. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18315-18324	3.8	22
68	Second Harmonic Generation as a Probe of Multisite Adsorption at Solid-Liquid Interfaces of Aqueous Colloid Suspensions. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8805-8813	3.8	22
67	Synergistic In-Layer Cobalt Doping and Interlayer Iron Intercalation into Layered MnO ₂ Produces an Efficient Water Oxidation Electrocatalyst. <i>ACS Energy Letters</i> , 2018 , 3, 2280-2285	20.1	21
66	Design, Synthesis, and Characterization of Metal-Organic Frameworks for Enhanced Sorption of Chemical Warfare Agent Simulants. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19748-19758	3.8	21
65	Ultra-broadband sum-frequency vibrational spectrometer of aqueous interfaces based on a non-collinear optical parametric amplifier. <i>Optics Express</i> , 2012 , 20, 547-61	3.3	21
64	Strong dynamical dipole coupling between CO molecules adsorbed at two distinct sites on Cu(100). <i>Chemical Physics Letters</i> , 1992 , 194, 57-61	2.5	21
63	Optical second harmonic generation studies of ultrathin high-k dielectric stacks. <i>Journal of Applied Physics</i> , 2005 , 97, 083711	2.5	20
62	Layering and orientational ordering of propane on graphite: An experimental and simulation study. <i>Journal of Chemical Physics</i> , 2002 , 117, 7719-7731	3.9	20
61	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. <i>Angewandte Chemie</i> , 2016 , 128, 10537-10541	3.6	20
60	Relating Interfacial Order to Sum Frequency Generation with Ab Initio Simulations of the Aqueous Al ₂ O ₃ (0001) and (112 0) Interfaces. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21284-21294	3.8	20
59	Effect of Halide Anions on the Structure and Dynamics of Water Next to an Alumina (0001) Surface. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12819-12830	3.8	19
58	Detecting and quantifying oxygen functional groups on graphite nanofibers by fluorescence labeling of surface species. <i>Carbon</i> , 2010 , 48, 4256-4267	10.4	19

57	Nonquadratic second-harmonic generation from semiconductor-oxide interfaces. <i>Physical Review B</i> , 2001 , 63,	3.3	19
56	Combined Experimental and Theoretical Investigation of Polar Organic Adsorption/Desorption from Model Carbonaceous Surfaces: Acetone on Graphite. <i>Langmuir</i> , 2002 , 18, 2595-2600	4	19
55	Self-assembly of insoluble porphyrins on Au(111) under aqueous electrochemical control. <i>Langmuir</i> , 2011 , 27, 14828-33	4	17
54	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. <i>Faraday Discussions</i> , 2002 , 17-25, discussion 97-127	3.6	17
53	Temperature and pressure dependence of molecular adsorption on single wall carbon nanotubes and the existence of an adsorption/desorption pressure gap. <i>Carbon</i> , 2010 , 48, 1867-1875	10.4	16
52	Self-assembled monolayer compatible with metal surface acoustic wave devices on lithium niobate. <i>Langmuir</i> , 2008 , 24, 5161-5	4	16
51	Second harmonic generation probing of dopant type and density at the Si/SiO ₂ interface. <i>Applied Physics Letters</i> , 2011 , 98, 041905	3.4	15
50	Monitoring adsorption and desorption on a metal surface by optical non-resonant reflectivity changes. <i>Surface Science</i> , 1996 , 369, L122-L130	1.8	15
49	Anisotropic Conductivity at the Single-Molecule Scale. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14275-14280	16.4	14
48	Effect of Functional and Electron Correlation on the Structure and Spectroscopy of the AlO(001)-HO Interface. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2031-2036	6.4	14
47	High-repetition-rate near-infrared noncollinear ultrabroadband optical parametric amplification in KTiOPO ₄ . <i>Optics Letters</i> , 2010 , 35, 3832-4	3	14
46	Second harmonic generation investigations of charge transfer at chemically-modified semiconductor interfaces. <i>Journal of Applied Physics</i> , 2002 , 91, 4394-4398	2.5	14
45	Sodium Halide Adsorption and Water Structure at the γ -Alumina(0001)/Water Interface. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15618-15628	3.8	13
44	Spectroscopy and Dynamics of the Multiple Free OH Species at an Aqueous/Hydrophobic Interface. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21734-21741	3.8	13
43	Probing surface short range order and inter-adsorbate interactions through IR vibrational spectroscopy: CO on Cu(100). <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8509-12	3.4	13
42	In situ second-harmonic generation measurements of the stability of Si(111)H and kinetics of oxide regrowth in ambient. <i>Journal of Applied Physics</i> , 2004 , 95, 4675-4680	2.5	12
41	Combined electron-hole dynamics at UV-irradiated ultrathin SiBiO ₂ interfaces probed by second harmonic generation. <i>Physical Review B</i> , 2003 , 68,	3.3	12
40	Second-harmonic generation from chemically modified Ge(111) interfaces. <i>Journal of Chemical Physics</i> , 2002 , 116, 6745-6754	3.9	12

39	Picosecond infrared optical parametric amplifier for nonlinear interface spectroscopy. <i>Review of Scientific Instruments</i> , 2000 , 71, 4050	1.7	12
38	First-Principles Calculation of Water ρ Using the Newly Developed SCAN Functional. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 54-59	6.4	12
37	Structural evolution and electrical properties of metal ion-containing polydopamine. <i>Journal of Materials Science</i> , 2019 , 54, 6393-6400	4.3	12
36	Potential-Induced High-Conductance Transport Pathways through Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10109-10116	16.4	11
35	Ultrafast Time-Evolution of the Nonlinear Susceptibility of Hot Carriers at the Ge(111)/TeO ₂ Interface As Probed by SHG. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3789-3793	3.4	11
34	Modeling of Diffusion of Acetone in UiO-66. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 28469-28478	3.8	10
33	Metastable Phase of the Au(111) Surface in Electrolyte Revealed by STM and Asymmetric Potential Pulse Perturbation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5726-5731	3.8	9
32	Electrodeposition of metal wires onto a molecular scale template: an in situ investigation. <i>Langmuir</i> , 2009 , 25, 5491-5	4	9
31	Dynamics and second-order nonlinear optical susceptibility of photoexcited carriers at Si(111) interfaces. <i>Applied Physics Letters</i> , 2003 , 83, 2357-2359	3.4	9
30	Infrared second harmonic generation spectroscopy of Ge(111) interfaces. <i>Journal of Chemical Physics</i> , 2003 , 119, 3958-3962	3.9	8
29	Probing Heterogeneous Charge Distributions at the α -AlO(001)/HO Interface. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12096-12105	16.4	7
28	Amine-Directed Hydrogen-Bonded Two-Dimensional Supramolecular Structures. <i>ChemPhysChem</i> , 2016 , 17, 3385-3389	3.2	7
27	Resolving the source of blue luminescence from alkyl-capped silicon nanoparticles synthesized by laser pulse ablation. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6894-6899	7.1	7
26	Orientation-Controlled Single-Molecule Junctions. <i>Angewandte Chemie</i> , 2014 , 126, 9929-9932	3.6	7
25	Oxygen-containing functionalities on the surface of multi-walled carbon nanotubes quantitatively determined by fluorescent labeling. <i>Applied Surface Science</i> , 2012 , 258, 10185-10190	6.7	7
24	Generation of sub-30-fs microjoule mid-infrared pulses for ultrafast vibrational dynamics at solid/liquid interfaces. <i>Optics Letters</i> , 2013 , 38, 5008-11	3	7
23	Photoreactivity of Si(111)H in Ambient. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 234-239	3.8	7
22	Dynamics of Porphyrin Electron-Transfer Reactions at the Electrode/Electrolyte Interface at the Molecular Level. <i>Angewandte Chemie</i> , 2007 , 119, 6210-6213	3.6	7

21	Time-resolved surface kinetics by IR diode laser reflection-absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990 , 54-55, 573-580	1.7	7
20	Ultrabroadband mid-infrared noncollinear difference frequency generation in a silver thiogallate crystal. <i>Optics Letters</i> , 2018 , 43, 4402-4405	3	7
19	Anisotropic Conductivity at the Single-Molecule Scale. <i>Angewandte Chemie</i> , 2019 , 131, 14413-14418	3.6	6
18	Ultrabroadband few-cycle infrared pulse generation from a noncollinear optical parametric amplifier based on bulk niobate crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2075	1.7	6
17	Capturing the Ultrafast Vibrational Decoherence of Hydrogen Bonding in Interfacial Water. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 5080-5085	6.4	6
16	Electrochemical nanoscale templating: laterally self-aligned growth of organic-metal nanostructures. <i>Langmuir</i> , 2012 , 28, 17537-44	4	5
15	Vibrational Dynamics at Aqueous Mineral Interfaces. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 2307-2324	3.8	4
14	Interplay between Intrinsic Thermal Stability and Expansion Properties of Functionalized UiO-67 Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2021 , 33, 910-920	9.6	4
13	Investigations of water/oxide interfaces by molecular dynamics simulations. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2021 , 11, e1537	7.9	4
12	Bond-Dependent Thole Model for Polarizability and Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5378-5387	2.8	3
11	Synthesis and Properties of Au Hydride. <i>ChemistrySelect</i> , 2019 , 4, 4287-4292	1.8	3
10	Ultrafast hot-carrier dynamics at chemically modified Ge interfaces probed by SHG. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19784-7	3.4	3
9	Tuning the Lewis acidity of metal-organic frameworks for enhanced catalysis. <i>Dalton Transactions</i> , 2021 , 50, 3116-3120	4.3	3
8	Nonquadratic Second-Harmonic Generation at Interfaces. <i>Optics and Photonics News</i> , 2001 , 12, 41	1.9	2
7	Innentitelbild: Anisotropic Conductivity at the Single-Molecule Scale (Angew. Chem. 40/2019). <i>Angewandte Chemie</i> , 2019 , 131, 14138-14138	3.6	1
6	Combined Impact of Denticity and Orientation on Molecular-Scale Charge Transport. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9460-9469	3.8	1
5	Reimagining the eg ₁ Electronic State in Oxygen Evolution Catalysis: Oxidation-State-Modulated Superlattices as a New Type of Heterostructure for Maximizing Catalysis. <i>Advanced Energy Materials</i> , 2021 , 11, 2101636	21.8	0
4	Adsorbate-induced reflectivity changes in the visible region on a metal surface 1995 , 2547, 30		

- 3 TIME-RESOLVED DIODE LASER IR REFLECTION-ABSORPTION SPECTROSCOPY. *Advanced Series in Physical Chemistry*, **1995**, 243-274
- 2 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
- 1 Tribute to Hai-Lung Dai. *Journal of Physical Chemistry A*, **2019**, 123, 10463-10464 2.8