

Antonio J Ricco

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.

144
papers

8,036
citations

43
h-index

87
g-index

164
ext. papers

8,892
ext. citations

6.2
avg, IF

5.62
L-index

#	Paper	IF	Citations
144	Carbon nanotube thermoelectric devices by direct printing: Toward wearable energy converters. <i>Applied Physics Letters</i> , 2021 , 118, 173901	3.4	4
143	Response to Comments on "EcAMSat spaceflight measurements of the role of β -lactamase antibiotic resistance of stationary phase <i>Escherichia coli</i> in microgravity". <i>Life Sciences in Space Research</i> , 2021 , 29, 85-86	2.4	1
142	Three-Dimensional Analysis of Particle Distribution on Filter Layers inside N95 Respirators by Deep Learning. <i>Nano Letters</i> , 2021 , 21, 651-657	11.5	23
141	CubeSats for microbiology and astrobiology research 2021 , 147-162		0
140	The EcAMSat fluidic system to study antibiotic resistance in low earth orbit: Development and lessons learned from space flight. <i>Acta Astronautica</i> , 2020 , 173, 449-459	2.9	4
139	. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2020 , 35, 6-18	2.4	10
138	EcAMSat spaceflight measurements of the role of β -lactamase antibiotic resistance of stationary phase <i>Escherichia coli</i> in microgravity. <i>Life Sciences in Space Research</i> , 2020 , 24, 18-24	2.4	16
137	Electrochemistry for Life Detection on Ocean Worlds. <i>ChemElectroChem</i> , 2020 , 7, 614-623	4.3	3
136	Quantitative Detection of Complex Mixtures using a Single Chemical Sensor: Analysis of Response Transients using Multi-Stage Estimation. <i>ACS Sensors</i> , 2019 , 4, 1682-1690	9.2	1
135	In Vitro Measurement and Modeling of Platelet Adhesion on VWF-Coated Surfaces in Channel Flow. <i>Biophysical Journal</i> , 2019 , 116, 1136-1151	2.9	7
134	Nanosatellites for Biology in Space: In Situ Measurement of Spore Germination and Growth after 6 Months in Low Earth Orbit on the Mission. <i>Life</i> , 2019 , 10,	3	9
133	Blood group alters platelet binding kinetics to von Willebrand factor and consequently platelet function. <i>Blood</i> , 2019 , 133, 1371-1377	2.2	22
132	Dynamic platelet function is markedly different in patients with cancer compared to healthy donors. <i>Platelets</i> , 2019 , 30, 737-742	3.6	4
131	Obtaining Chemical Selectivity from a Single, Nonselective Sensing Film: Two-Stage Adaptive Estimation Scheme with Multiparameter Measurement to Quantify Mixture Components and Interferents. <i>ACS Sensors</i> , 2018 , 3, 1656-1665	9.2	4
130	An autonomous lab on a chip for space flight calibration of gravity-induced transcellular calcium polarization in single-cell fern spores. <i>Lab on A Chip</i> , 2017 , 17, 1095-1103	7.2	14
129	Payload hardware and experimental protocol development to enable future testing of the effect of space microgravity on the resistance to gentamicin of uropathogenic <i>Escherichia coli</i> and its β -lactamase deficient mutant. <i>Life Sciences in Space Research</i> , 2017 , 15, 1-10	2.4	15
128	Investigation of Polymer-Plasticizer Blends as SH-SAW Sensor Coatings for Detection of Benzene in Water with High Sensitivity and Long-Term Stability. <i>ACS Sensors</i> , 2017 , 2, 157-164	9.2	7

127	Microgravity validation of a novel system for RNA isolation and multiplex quantitative real time PCR analysis of gene expression on the International Space Station. <i>PLoS ONE</i> , 2017 , 12, e0183480	3.7	20
126	Platelet behaviour on von Willebrand Factor changes in pregnancy: Consequences of haemodilution and intrinsic changes in platelet function. <i>Scientific Reports</i> , 2017 , 7, 6354	4.9	7
125	Earth as a Tool for Astrobiology: A European Perspective. <i>Space Science Reviews</i> , 2017 , 209, 43-81	7.5	43
124	Space as a Tool for Astrobiology: Review and Recommendations for Experimentations in Earth Orbit and Beyond. <i>Space Science Reviews</i> , 2017 , 209, 83-181	7.5	39
123	Dynamic platelet function on von Willebrand factor is different in preterm neonates and full-term neonates: changes in neonatal platelet function. <i>Journal of Thrombosis and Haemostasis</i> , 2016 , 14, 2027-2035	15.4	14
122	Computational Tracking of Shear-Mediated Platelet Interactions with von Willebrand Factor. <i>Cardiovascular Engineering and Technology</i> , 2016 , 7, 389-405	2.2	5
121	Sensor-based estimation of BTEX concentrations in water samples using recursive least squares and Kalman filter techniques 2016 ,		1
120	Click chemistry as an immobilization method to improve oligonucleotide hybridization efficiency for nucleic acid assays. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 286-293	8.5	3
119	Detection and Quantification of Aromatic Hydrocarbon Compounds in Water Using SH-SAW Sensors and Estimation-Theory-Based Signal Processing. <i>ACS Sensors</i> , 2016 , 1, 63-72	9.2	14
118	Online Chemical Sensor Signal Processing Using Estimation Theory: Quantification of Binary Mixtures of Organic Compounds in the Presence of Linear Baseline Drift and Outliers. <i>IEEE Sensors Journal</i> , 2016 , 16, 750-761	4	6
117	Platelet Interactions with Von Willebrand Factor: Comparing Platelet Function in Acute and Stable Coronary Syndromes. <i>Blood</i> , 2016 , 128, 3829-3829	2.2	
116	Self-Powered Microfluidic Device for Rapid Assay of Antiplatelet Drugs. <i>Langmuir</i> , 2016 , 32, 2820-8	4	17
115	Examining platelet adhesion via Stokes flow simulations and microfluidic experiments. <i>Soft Matter</i> , 2015 , 11, 355-67	3.6	13
114	Fabrication and characterisation of spin coated oxidised PMMA to provide a robust surface for on-chip assays. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 135-143	7.3	6
113	Age-related changes in platelet function are more profound in women than in men. <i>Scientific Reports</i> , 2015 , 5, 12235	4.9	35
112	First results of the ORGANIC experiment on EXPOSE-R on the ISS. <i>International Journal of Astrobiology</i> , 2015 , 14, 55-66	1.4	6
111	Organics Exposure in Orbit (OREOcube): A next-generation space exposure platform. <i>Langmuir</i> , 2014 , 30, 13217-27	4	9
110	SEVO ON THE GROUND: DESIGN OF A LABORATORY SOLAR SIMULATION IN SUPPORT OF THE O/OREOS MISSION. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 210, 15	8	10

109	Identification and quantification of aqueous aromatic hydrocarbons using SH-surface acoustic wave sensors. <i>Analytical Chemistry</i> , 2014 , 86, 1794-9	7.8	17
108	Biological system development for GraviSat: A new platform for studying photosynthesis and microalgae in space. <i>Life Sciences in Space Research</i> , 2014 , 3, 63-75	2.4	5
107	The Organism/Organic Exposure to Orbital Stresses (O/OREOS) satellite: radiation exposure in low-earth orbit and supporting laboratory studies of iron tetraphenylporphyrin chloride. <i>Astrobiology</i> , 2014 , 14, 87-101	3.7	9
106	Three-dimensional wax patterning of paper fluidic devices. <i>Langmuir</i> , 2014 , 30, 7030-6	4	120
105	The O/OREOS mission: Astrobiology in low Earth orbit. <i>Acta Astronautica</i> , 2014 , 93, 501-508	2.9	28
104	2014 ,		2
103	Analysis of binary mixtures of aqueous aromatic hydrocarbons with low-phase-noise shear-horizontal surface acoustic wave sensors using multielectrode transducer designs. <i>Analytical Chemistry</i> , 2014 , 86, 11464-71	7.8	9
102	Assaying the efficacy of dual-antiplatelet therapy: use of a controlled-shear-rate microfluidic device with a well-defined collagen surface to track dynamic platelet adhesion. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4823-34	4.4	11
101	Individual platelet adhesion assay: measuring platelet function and antiplatelet therapies in whole blood via digital quantification of cell adhesion. <i>Analytical Chemistry</i> , 2013 , 85, 6497-504	7.8	15
100	Microfluidic impedance cytometer for platelet analysis. <i>Lab on A Chip</i> , 2013 , 13, 722-9	7.2	64
99	Design of SH-surface acoustic wave sensors for detection of ppb concentrations of BTEX in water 2013 ,		7
98	Multi-analyte biochip (MAB) based on all-solid-state ion-selective electrodes (ASSISE) for physiological research. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	1
97	The development of the Space Environment Viability of Organics (SEVO) experiment aboard the Organism/Organic Exposure to Orbital Stresses (O/OREOS) satellite. <i>Planetary and Space Science</i> , 2012 , 60, 121-130	2	13
96	Effective hydrodynamic shaping of sample streams in a microfluidic parallel-plate flow-assay device: matching whole blood dynamic viscosity. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 374-82	5	9
95	The O/OREOS mission: first science data from the space environment viability of organics (SEVO) payload. <i>Astrobiology</i> , 2012 , 12, 841-53	3.7	21
94	Reactive deposition of nano-films in deep polymeric microcavities. <i>Lab on A Chip</i> , 2012 , 12, 4877-83	7.2	11
93	Point of care diagnostics: status and future. <i>Analytical Chemistry</i> , 2012 , 84, 487-515	7.8	804
92	5.4.2 Quantification of Benzene in Groundwater Using SH-Surface Acoustic Wave Sensors 2012 ,		3

91	Stand-alone self-powered integrated microfluidic blood analysis system (SIMBAS). <i>Lab on A Chip</i> , 2011 , 11, 845-50	7.2	260
90	PharmaSat: drug dose response in microgravity from a free-flying integrated biofluidic/optical culture-and-analysis satellite 2011 ,		7
89	The ORGANIC experiment on EXPOSE-R on the ISS: Flight sample preparation and ground control spectroscopy. <i>Advances in Space Research</i> , 2011 , 48, 1980-1996	2.4	9
88	Influence of ambient parameters on the response of polymer-coated SH-surface acoustic wave sensors to aromatic analytes in liquid-phase detection 2011 ,		7
87	Cubesats: Cost-effective science and technology platforms for emerging and developing nations. <i>Advances in Space Research</i> , 2011 , 47, 663-684	2.4	218
86	Shear-mediated platelet adhesion analysis in less than 100 μ l of blood: toward a POC platelet diagnostic. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 826-30	5	19
85	The O/OREOS mission: first science data from the Space Environment Survivability of Living Organisms (SESLO) payload. <i>Astrobiology</i> , 2011 , 11, 951-8	3.7	42
84	Detection of water in the LCROSS ejecta plume. <i>Science</i> , 2010 , 330, 463-8	33.3	478
83	Single-step separation of platelets from whole blood coupled with digital quantification by interfacial platelet cytometry (iPC). <i>Langmuir</i> , 2010 , 26, 14700-6	4	40
82	Optically addressable single-use microfluidic valves by laser printer lithography. <i>Lab on A Chip</i> , 2010 , 10, 2680-7	7.2	77
81	Liquid recirculation in microfluidic channels by the interplay of capillary and centrifugal forces. <i>Microfluidics and Nanofluidics</i> , 2010 , 9, 695-703	2.8	23
80	Microfluidic device to study arterial shear-mediated platelet-surface interactions in whole blood: reduced sample volumes and well-characterised protein surfaces. <i>Biomedical Microdevices</i> , 2010 , 12, 987-1000	3.7	35
79	Microfluidic sedimentation cytometer for milk quality and bovine mastitis monitoring. <i>Biomedical Microdevices</i> , 2010 , 12, 1051-9	3.7	28
78	Integrated system investigating shear-mediated platelet interactions with von Willebrand factor using microliters of whole blood. <i>Analytical Biochemistry</i> , 2010 , 405, 174-83	3.1	24
77	Evolving point-of-care diagnostics using up-converting phosphor bioanalytical systems. <i>Analytical Chemistry</i> , 2009 , 81, 3216-21	7.8	37
76	Low-Cost Microfluidic Single-Use Valves and On-Board Reagent Storage using Laser-Printer Technology 2009 ,		6
75	Optical scanner for immunoassays with up-converting phosphorescent labels. <i>IEEE Transactions on Biomedical Engineering</i> , 2008 , 55, 1560-71	5	44
74	Integrated microfluidic tmRNA purification and real-time NASBA device for molecular diagnostics. <i>Lab on A Chip</i> , 2008 , 8, 2071-8	7.2	125

73	Autonomous Genetic Analysis System to Study Space Effects on Microorganisms: Results from Orbit 2007 ,		8
72	Integrated Plastic Microfluidic Devices for Bacterial Detection 2007 , 78-89		
71	Biosensing 2006 ,		3
70	Plastic Microfluidic Devices for DNA and Protein Analyses 2006 , 311-328		3
69	Microfabricated Biosensing Devices: MEMS, Microfluidics, and Mass Sensors 2006 , 79-106		2
68	Plastic microfluidic devices: Electrokinetic manipulations, life science applications, and production technologies 2003 , 83-112		7
67	Mars atmospheric oxidant sensor (MAOS): an in-situ heterogeneous chemistry analysis. <i>Planetary and Space Science</i> , 2003 , 51, 167-175	2	12
66	Integrating polymerase chain reaction, valving, and electrophoresis in a plastic device for bacterial detection. <i>Analytical Chemistry</i> , 2003 , 75, 4591-8	7.8	163
65	Use of floating electrodes in transient isotachopheresis to increase the sensitivity of detection. <i>Lab on A Chip</i> , 2003 , 3, 86-92	7.2	18
64	Miniaturized capillary isoelectric focusing in plastic microfluidic devices. <i>Electrophoresis</i> , 2002 , 23, 3638-3656		73
63	Application of disposable plastic microfluidic device arrays with customized chemistries to multiplexed biochemical assays. <i>Biochemical Society Transactions</i> , 2002 , 30, 73-78	5.1	19
62	Plastic advances microfluidic devices. <i>Analytical Chemistry</i> , 2002 , 74, 78A-86A	7.8	111
61	Plastic Microfluidic Systems for High-Throughput Genomic Analysis and Drug Screening. <i>Journal of the Association for Laboratory Automation</i> , 2001 , 6, 71-75		
60	Use of linear solvation energy relationships for modeling responses from polymer-coated acoustic-wave vapor sensors. <i>Analytical Chemistry</i> , 2001 , 73, 3458-66	7.8	82
59	Conferring selectivity to chemical sensors via polymer side-chain selection: thermodynamics of vapor sorption by a set of polysiloxanes on thickness-shear mode resonators. <i>Analytical Chemistry</i> , 2000 , 72, 3696-708	7.8	70
58	Differentiation of chemical components in a binary solvent vapor mixture using carbon/polymer composite-based chemiresistors. <i>Analytical Chemistry</i> , 2000 , 72, 1532-42	7.8	61
57	Application of the Solubility Parameter Concept to the Design of Chemiresistor Arrays. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 3907-3913	3.9	47
56	Effective use of molecular recognition in gas sensing: results from acoustic wave and in situ FT-IR measurements. <i>Analytical Chemistry</i> , 1999 , 71, 3022-35	7.8	57

55	Characteristics of acoustic plate modes on rotated Y-cuts of quartz utilized for biosensing applications. <i>Analytical Chemistry</i> , 1999 , 71, 5064-8	7.8	4
54	Reflectance Infrared Spectroscopy on Operating Surface Acoustic Wave Chemical Sensors during Exposure to Gas-Phase Analytes. <i>Analytical Chemistry</i> , 1999 , 71, 3615-3621	7.8	10
53	Detection of volatile organics using a surface acoustic-wave array system 1999 , 3857, 146		3
52	The Mars oxidant experiment (MOx) for Mars 96. <i>Planetary and Space Science</i> , 1998 , 46, 769-77	2	30
51	Structural Distortion of Dendrimers on Gold Surfaces: A Tapping-Mode AFM Investigation. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5323-5324	16.4	184
50	New Organic Materials Suitable for Use in Chemical Sensor Arrays. <i>Accounts of Chemical Research</i> , 1998 , 31, 219-227	24.3	243
49	Visual-Empirical Region-of-Influence Pattern Recognition Applied to Chemical Microsensor Array Selection and Chemical Analysis. <i>Accounts of Chemical Research</i> , 1998 , 31, 297-305	24.3	38
48	SAW Sensors for the Room-Temperature Measurement of CO ₂ and Relative Humidity. <i>Analytical Chemistry</i> , 1998 , 70, 2137-2145	7.8	56
47	Surface Acoustic Wave Chemical Sensor Arrays: New Chemically Sensitive Interfaces Combined with Novel Cluster Analysis To Detect Volatile Organic Compounds and Mixtures. <i>Accounts of Chemical Research</i> , 1998 , 31, 289-296	24.3	114
46	Synthetic infrared spectra for correlation spectroscopy 1997 , 3118, 350		
45	Electrothermal modeling of a microbridge gas sensor 1997 , 3224, 360		3
44	Single-monolayer insitu modulus measurements using a SAW device Photocrosslinking of a diacetylenic thiol-based monolayer. <i>Faraday Discussions</i> , 1997 , 107, 247-258	3.6	11
43	Interactions between self-assembled monolayers and an organophosphonate Detailed study using surface acoustic wave-based mass analysis, polarization modulation-FTIR spectroscopy and ellipsometry. <i>Faraday Discussions</i> , 1997 , 107, 285-305	3.6	46
42	Synthetic spectra: a tool for correlation spectroscopy. <i>Applied Optics</i> , 1997 , 36, 3342-8	1.7	36
41	Synthetic infrared spectra. <i>Optics Letters</i> , 1997 , 22, 1036-8	3	25
40	Molecular Interactions between Organized, Surface-Confined Monolayers and Vapor-Phase Probe Molecules. 8. Reactions between Acid-Terminated Self-Assembled Monolayers and Vapor-Phase Bases. <i>Langmuir</i> , 1996 , 12, 726-735	4	87
39	Interactions between Organized, Surface-Confined Monolayers and Vapor-Phase Probe Molecules. 9. Structure/Reactivity Relationship between Three Surface-Confined Isomers of Mercaptobenzoic Acid and Vapor-Phase Decylamine. <i>Langmuir</i> , 1996 , 12, 1989-1996	4	79
38	Chemically Sensitive Surface Acoustic Wave Devices Employing a Self-Assembled Composite Monolayer Film: Molecular Specificity and Effects Due to Self-Assembled Monolayer Adsorption Time and Gold Surface Morphology. <i>Langmuir</i> , 1996 , 12, 2239-2246	4	40

37	Photolithographic metallization of fluorinated polymers. <i>Thin Solid Films</i> , 1995 , 262, 73-83	2.2	14
36	Speciation of linear and branched hydrocarbons by a fluorinated polyimide film based surface acoustic wave sensor. <i>Journal of the American Chemical Society</i> , 1995 , 117, 8672-8673	16.4	6
35	Chemically Sensitive Interfaces on Surface Acoustic Wave Devices. <i>ACS Symposium Series</i> , 1994 , 264-279	0.4	5
34	SAW Chemical Sensors: An Expanding Role with Global Impact. <i>Electrochemical Society Interface</i> , 1994 , 3, 38-44	3.6	16
33	Effect of surface roughness on the response of thickness-shear mode resonators in liquids. <i>Analytical Chemistry</i> , 1993 , 65, 2910-2922	7.8	289
32	Molecular interactions between organized, surface-confined monolayers and vapor-phase probe molecules. 6. In-situ FT-IR external reflectance spectroscopy of monolayer adsorption and reaction chemistry. <i>Analytical Chemistry</i> , 1993 , 65, 2102-2107	7.8	71
31	Molecular interactions between organized, surface-confined monolayers and vapor-phase probe molecules. 5. Acid-base interactions. <i>Langmuir</i> , 1993 , 9, 1775-1780	4	94
30	Patterned Adhesion of Electrolessly Deposited Copper on Poly(tetrafluoroethylene). <i>Journal of the Electrochemical Society</i> , 1993 , 140, 1763-1768	3.9	18
29	Multiple-frequency SAW devices for chemical sensing and materials characterization. <i>Sensors and Actuators B: Chemical</i> , 1993 , 10, 123-131	8.5	25
28	A selective SAW-based organophosphonate chemical sensor employing a self-assembled, composite monolayer: a new paradigm for sensor design. <i>Analytical Chemistry</i> , 1992 , 64, 3191-3193	7.8	140
27	Fiber optic micromirror studies of the interaction of thin copper films with an organophosphonate. <i>Analytical Chemistry</i> , 1992 , 64, 1851-1854	7.8	3
26	Thin metal film characterization and chemical sensors: monitoring electronic conductivity, mass loading and mechanical properties with surface acoustic wave devices. <i>Thin Solid Films</i> , 1991 , 206, 94-101	2.2	70
25	Real-time analysis of chemical reactions occurring at a surface-confined organic monolayer. <i>Journal of the American Chemical Society</i> , 1991 , 113, 8550-8552	16.4	48
24	Real-time measurements of the gas-phase adsorption of n-alkylthiol mono- and multilayers on gold. <i>Langmuir</i> , 1991 , 7, 620-622	4	116
23	Chemical microsensors. <i>Science</i> , 1991 , 254, 74-80	33.3	104
22	Sol-Gel Coatings on Acoustic Wave Devices: Thin Film Characterization and Chemical Sensor Development. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 180, 583		4
21	Hg adsorption on optically thin Au films. <i>Journal of Applied Physics</i> , 1990 , 67, 4320-4326	2.5	33
20	Kinetics of Hydrogen Adsorption and Absorption: Catalytic Gate MIS Gas Sensors on Silicon. <i>Journal of the Electrochemical Society</i> , 1989 , 136, 2653-2661	3.9	24

19	Characterization of SH acoustic plate mode liquid sensors. <i>Sensors and Actuators</i> , 1989 , 20, 253-268		202
18	Determination of BET surface areas of porous thin films using surface acoustic wave devices. <i>Langmuir</i> , 1989 , 5, 273-276	4	54
17	Pore structure characterization of porous films. <i>Langmuir</i> , 1989 , 5, 459-466	4	22
16	Miniature radiation dosimeter for in vivo radiation measurements. <i>International Journal of Radiation Oncology Biology Physics</i> , 1988 , 14, 963-7	4	43
15	Acoustoelectric interaction of plate modes with solutions. <i>Journal of Applied Physics</i> , 1988 , 64, 5002-5008	5	78
14	Chemisorption-induced reflectivity changes in optically thin silver films. <i>Applied Physics Letters</i> , 1988 , 53, 1471-1473	3.4	21
13	Ultrahigh vacuum studies of Pd metal-insulator-semiconductor diode H ₂ sensors. <i>Journal of Applied Physics</i> , 1987 , 62, 1084-1092	2.5	46
12	Acoustic wave viscosity sensor. <i>Applied Physics Letters</i> , 1987 , 50, 1474-1476	3.4	164
11	Electrode-confined catalyst systems for use in optical-to-chemical energy conversion. <i>Journal of Photochemistry and Photobiology</i> , 1985 , 29, 71-88		19
10	Resistance of polyaniline films as a function of electrochemical potential and the fabrication of polyaniline-based microelectronic devices. <i>The Journal of Physical Chemistry</i> , 1985 , 89, 1441-1447		870
9	Surface acoustic wave gas sensor based on film conductivity changes. <i>Sensors and Actuators</i> , 1985 , 8, 319-333		204
8	X-ray photoelectron and Auger electron spectroscopic study of the CdTe surface resulting from various surface pretreatments: Correlation of photoelectrochemical and capacitance-potential behavior with surface chemical composition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces, and Films</i> , 1984 , 2, 210-215	2.9	86
7	Electrochemical characterization of p-type semiconducting tungsten disulfide photocathodes: efficient photoreduction processes at semiconductor/liquid electrolyte interfaces. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2246-2256	16.4	80
6	Characterization of intrinsic amorphous hydrogenated silicon as a thin-film photocathode material. Efficient photoreduction processes in aqueous solution. <i>Journal of the American Chemical Society</i> , 1983 , 105, 4212-4219	16.4	14
5	Improvement of the photoelectrochemical oxidation of halides by platinization of metal dichalcogenide photoanodes. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 4446-4453		24
4	Characterization of p-type cadmium telluride electrodes in acetonitrile/electrolyte solutions. Nearly ideal behavior from reductive surface pretreatments. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 5140-5150		35
3	Characterization of n-Type Semiconducting Tungsten Disulfide Photoanodes in Aqueous and Nonaqueous Electrolyte Solutions. <i>Journal of the Electrochemical Society</i> , 1982 , 129, 1461	3.9	75
2	Synthesis and characterization of a new surface derivatizing reagent to promote the adhesion of polypyrrole films to N-type silicon photoanodes: N-(3-(trimethoxysilyl)propyl)pyrrole. <i>Journal of the American Chemical Society</i> , 1982 , 104, 2031-2034	16.4	129

- 1 Study of charge transfer in back-bonding to carbonyl and nitrosyl groups. *Inorganic Chemistry*, **1980**, 19, 1931-1936 5.1 22