

# Guillermo Orellana

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4584638/publications.pdf>

Version: 2024-02-01

132  
papers

3,791  
citations

94269

37  
h-index

161609

54  
g-index

136  
all docs

136  
docs citations

136  
times ranked

4487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Singlet-Oxygen ( $^1\text{O}_2$ ) Production by Ruthenium(II) complexes containing polyazaheterocyclic ligands in methanol and in water. <i>Helvetica Chimica Acta</i> , 1996, 79, 1222-1238.	1.0	144
2	LIGAND-DEPENDENT INTERACTION OF RUTHENIUM(II) POLYPYRIDYL COMPLEXES WITH DNA PROBED BY EMISSION SPECTROSCOPY. <i>Photochemistry and Photobiology</i> , 1990, 52, 461-472.	1.3	113
3	Singlet Oxygen-Mediated DNA Photocleavage with Ru(II) Polypyridyl Complexes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4010-4017.	1.2	103
4	Molecularly imprinted polymers with a streamlined mimic for zearalenone analysis. <i>Journal of Chromatography A</i> , 2006, 1116, 127-134.	1.8	102
5	Water-compatible molecularly imprinted polymer for the selective recognition of fluoroquinolone antibiotics in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 235-245.	1.9	102
6	Hydrogen-1 and carbon-13 NMR coordination-induced shifts in a series of tris( $\alpha$ -diimine)ruthenium(II) complexes containing pyridine, pyrazine, and thiazole moieties. <i>Inorganic Chemistry</i> , 1988, 27, 1025-1030.	1.9	93
7	Molecularly Imprinted Polymers as Antibody Mimics in Automated On-Line Fluorescent Competitive Assays. <i>Analytical Chemistry</i> , 2007, 79, 4915-4923.	3.2	90
8	Photoinduced electron-transfer reactions to probe the structure of starburst dendrimers. <i>Macromolecules</i> , 1990, 23, 910-912.	2.2	80
9	Luminescent Nafion Membranes Dyed with Ruthenium(II) Complexes as Sensing Materials for Dissolved Oxygen. <i>Langmuir</i> , 1999, 15, 6451-6459.	1.6	79
10	Solar water disinfection by photocatalytic singlet oxygen production in heterogeneous medium. <i>Applied Catalysis B: Environmental</i> , 2006, 69, 1-9.	10.8	79
11	New Trends in Fiber-Optic Chemical and Biological Sensors. <i>Current Analytical Chemistry</i> , 2008, 4, 273-295.	0.6	76
12	Pulmonary surfactant layers accelerate O <sub>2</sub> diffusion through the air-water interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1281-1284.	1.4	70
13	Oxygen Sensing in Nonaqueous Media Using Porous Glass with Covalently Bound Luminescent Ru(II) Complexes. <i>Analytical Chemistry</i> , 1998, 70, 5184-5189.	3.2	64
14	Development of a Novel and Automated Fluorescent Immunoassay for the Analysis of $\beta$ -Lactam Antibiotics. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6635-6642.	2.4	64
15	Molecular Engineering of Fluorescent Penicillins for Molecularly Imprinted Polymer Assays. <i>Analytical Chemistry</i> , 2006, 78, 2019-2027.	3.2	62
16	Zearalenone sensing with molecularly imprinted polymers and tailored fluorescent probes. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 67-73.	4.0	62
17	On the Factors Influencing the Performance of Solar Reactors for Water Disinfection with Photosensitized Singlet Oxygen. <i>Environmental Science &amp; Technology</i> , 2008, 42, 301-307.	4.6	62
18	Influence of Surface Hydroxylation on 3-Aminopropyltriethoxysilane Growth Mode during Chemical Functionalization of GaN Surfaces: An Angle-Resolved X-ray Photoelectron Spectroscopy Study. <i>Langmuir</i> , 2008, 24, 8667-8671.	1.6	59

#	ARTICLE	IF	CITATIONS
19	Homogeneous Quenching Immunoassay for Fumonisin B <sub>1</sub> Based on Gold Nanoparticles and an Epitope-Mimicking Yellow Fluorescent Protein. <i>ACS Nano</i> , 2018, 12, 11333-11342.	7.3	59
20	Fiber-Optic Luminescent Sensors with Composite Oxygen-Sensitive Layers and Anti-Biofouling Coatings. <i>Analytical Chemistry</i> , 2001, 73, 5150-5156.	3.2	56
21	Multiresidue analysis of cephalosporin antibiotics in bovine milk based on molecularly imprinted polymer extraction followed by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1474, 121-129.	1.8	54
22	Fiber-optic sensing of carbon dioxide based on excited-state proton transfer to a luminescent ruthenium(II) complex. <i>Analytical Chemistry</i> , 1992, 64, 2210-2215.	3.2	53
23	Furfural Determination with Disposable Polymer Films and Smartphone-Based Colorimetry for Beer Freshness Assessment. <i>Analytical Chemistry</i> , 2016, 88, 3959-3966.	3.2	53
24	Solar water disinfection by singlet oxygen photogenerated with polymer-supported Ru(II) sensitizers. <i>Solar Energy</i> , 2006, 80, 1382-1387.	2.9	52
25	Effect of the template and functional monomer on the textural properties of molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , 2008, 24, 155-161.	5.3	52
26	Humidity sensing with a luminescent Ru(II) complex and phase-sensitive detection. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 573-581.	4.0	51
27	Luminescent Core-Shell Imprinted Nanoparticles Engineered for Targeted Förster Resonance Energy Transfer-Based Sensing. <i>Analytical Chemistry</i> , 2013, 85, 5316-5320.	3.2	51
28	PHOTOINDUCED ELECTRON TRANSFER QUENCHING OF EXCITED Ru(II) POLYPYRIDYLS BOUND TO DNA: THE ROLE OF THE NUCLEIC ACID DOUBLE HELIX. <i>Photochemistry and Photobiology</i> , 1991, 54, 499-509.	1.3	50
29	Reversible Fiber-Optic Fluorosensing of Lower Alcohols. <i>Analytical Chemistry</i> , 1995, 67, 2231-2238.	3.2	49
30	In vitro anti-amyloidogenic properties of 1,4-naphthoquinones. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 169-174.	1.0	46
31	Alkoxy-substituted difluoroboron benzoylmethanes for photonics applications: A photophysical and spectroscopic study. <i>Dalton Transactions</i> , 2011, 40, 377-383.	1.6	45
32	Fluorescent ion-imprinted polymers for selective Cu(II) optosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 3253-3260.	1.9	44
33	A Ruthenium Probe for Cell Viability Measurement Using Flow Cytometry, Confocal Microscopy and Time-resolved Luminescence. <i>Photochemistry and Photobiology</i> , 2000, 72, 28.	1.3	42
34	Photophysics of Polyazaaromatic Ruthenium(II) Complexes Interacting with DNA. <i>The Journal of Physical Chemistry</i> , 1994, 98, 5382-5388.	2.9	41
35	Enhanced performance of a fibre-optic luminescence CO <sub>2</sub> sensor using carbonic anhydrase. <i>Sensors and Actuators B: Chemical</i> , 1995, 29, 126-131.	4.0	40
36	Improved performance of SPR sensors by a chemical etching of tapered optical fibers. <i>Optics and Lasers in Engineering</i> , 2011, 49, 1065-1068.	2.0	39

#	ARTICLE	IF	CITATIONS
37	Spectroscopic, Electrochemical, and Kinetic Characterization of New Ruthenium(II) Tris-chelates Containing Five-Membered Heterocyclic Moieties. <i>Helvetica Chimica Acta</i> , 1987, 70, 2073-2086.	1.0	38
38	Interaction of Sulfonated Ruthenium(II) Polypyridine Complexes with Surfactants Probed by Luminescence Spectroscopy. <i>Helvetica Chimica Acta</i> , 2001, 84, 2708.	1.0	38
39	Immuno-Like Assays and Biomimetic Microchips. <i>Topics in Current Chemistry</i> , 2010, 325, 111-164.	4.0	35
40	Efficient Interfacially Driven Vehiculization of Corticosteroids by Pulmonary Surfactant. <i>Langmuir</i> , 2017, 33, 7929-7939.	1.6	35
41	Pulmonary surfactant and drug delivery: Vehiculization, release and targeting of surfactant/tacrolimus formulations. <i>Journal of Controlled Release</i> , 2021, 329, 205-222.	4.8	34
42	Surface-imprinted Nanofilaments for Europium-Amplified Luminescent Detection of Fluoroquinolone Antibiotics. <i>Chemistry - A European Journal</i> , 2013, 19, 10209-10216.	1.7	33
43	Oxygen-sensitive layers for optical fibre devices. <i>Mikrochimica Acta</i> , 1995, 121, 107-118.	2.5	32
44	Luminescent optical sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 344-346.	1.9	32
45	Characterization of Liposomal Tacrolimus in Lung Surfactant-like Phospholipids and Evaluation of Its Immunosuppressive Activity. <i>Biochemistry</i> , 2004, 43, 9926-9938.	1.2	32
46	Singlet oxygen sensitizing materials based on porous silicone: photochemical characterization, effect of dye reloading and application to water disinfection with solar reactors. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 838-845.	1.6	32
47	Analysis of alternariol and alternariol monomethyl ether in foodstuffs by molecularly imprinted solid-phase extraction and ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , 2018, 243, 357-364.	4.2	32
48	Microalgae dual-head biosensors for selective detection of herbicides with fiber-optic luminescent O <sub>2</sub> transduction. <i>Biosensors and Bioelectronics</i> , 2014, 54, 484-491.	5.3	31
49	Highly Fluorescent Magnetic Nanobeads with a Remarkable Stokes Shift as Labels for Enhanced Detection in Immunoassays. <i>Small</i> , 2018, 14, e1703810.	5.2	31
50	Water disinfection with Ru(II) photosensitisers supported on ionic porous silicones. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 926.	1.6	30
51	Can Luminescent Ru(II) Polypyridyl Dyes Measure pH Directly?. <i>Analytical Chemistry</i> , 2010, 82, 5195-5204.	3.2	29
52	Fluorescent sensing of herbicides with a multifunctional pyrene-labeled monomer and molecular imprinting. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 137-142.	4.0	29
53	Ruthenium-99 NMR spectroscopy of ruthenium(II) polypyridyl complexes. <i>Inorganic Chemistry</i> , 1990, 29, 882-885.	1.9	28
54	Singlet Oxygen ( <sup>1</sup> O <sub>2</sub> ) Production by Ruthenium(II) Complexes in Microheterogeneous Systems. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3397-3403.	1.1	28

#	ARTICLE	IF	CITATIONS
55	Luminescence Lifetime Quenching of a Ruthenium(II) Polypyridyl Dye for Optical Sensing of Carbon Dioxide. <i>Applied Spectroscopy</i> , 1998, 52, 1314-1320.	1.2	27
56	Relationship between the Microscopic and Macroscopic World in Optical Oxygen Sensing: A Luminescence Lifetime Microscopy Study. <i>Langmuir</i> , 2010, 26, 2144-2150.	1.6	27
57	New binuclear heterocyclic ligands sharing an imine moiety and their ruthenium(II) tris-chelates. <i>Bulletin Des Sociétés Chimiques Belges</i> , 1988, 97, 731-742.	0.0	25
58	Microsensors Based on GaN Semiconductors Covalently Functionalized with Luminescent Ru(II) Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 1746-1747.	6.6	25
59	Photoinactivation of <i>F. nucleatum</i> and <i>P. gingivalis</i> using the ruthenium-based RD3 sensitizer and a conventional halogen lamp. <i>Archives of Oral Biology</i> , 2011, 56, 264-268.	0.8	25
60	Tailoring molecularly imprinted polymer beads for alternariol recognition and analysis by a screening with mycotoxin surrogates. <i>Journal of Chromatography A</i> , 2015, 1425, 231-239.	1.8	25
61	Ratiometric Fluorescence Detection of Phosphorylated Amino Acids Through Excited-State Proton Transfer by Using Molecularly Imprinted Polymer (MIP) Recognition Nanolayers. <i>Chemistry - A European Journal</i> , 2017, 23, 15974-15983.	1.7	25
62	A Comparison of Solar Photocatalytic Inactivation of Waterborne <i>E. coli</i> Using Tris (2,2'-bipyridine)ruthenium(II), Rose Bengal, and TiO <sub>2</sub> . <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2007, 129, 135-140.	1.1	24
63	Sensitive Rapid Fluorescence Polarization Immunoassay for Free Mycophenolic Acid Determination in Human Serum and Plasma. <i>Analytical Chemistry</i> , 2018, 90, 5459-5465.	3.2	23
64	Quantum yields of 3MLCT excited state formation and triplet-triplet absorption spectra of ruthenium(II) tris-chelate complexes containing five- and six-membered heterocyclic moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1989, 48, 277-289.	2.0	21
65	Hydrocarbon in water sensing with PTFE membranes doped with a luminescent Ru(II) poly(pyridyl) complex. <i>Journal of Materials Chemistry</i> , 2005, 15, 2952.	6.7	21
66	Direct Grafting of Long-Lived Luminescent Indicator Dyes to GaN Light-Emitting Diodes for Chemical Microsensor Development. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 3846-3854.	4.0	21
67	Are silicone-supported [C60]-fullerenes an alternative to Ru(II) polypyridyls for photodynamic solar water disinfection?. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 397-406.	1.6	21
68	Optimization of Temperature Sensing with Polymer-Embedded Luminescent Ru(II) Complexes. <i>Polymers</i> , 2018, 10, 234.	2.0	21
69	Unprecedented Reversible Real-Time Luminescent Sensing of H <sub>2</sub> S in the Gas Phase. <i>Analytical Chemistry</i> , 2019, 91, 2231-2238.	3.2	21
70	Simultaneous determination of copper, mercury and zinc in water with a tailored fluorescent bipyridine ligand entrapped in silica sol-gel. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 3127-3138.	1.9	20
71	Synthesis, characterization, photophysical studies and interaction with DNA of a new family of Ru(II) furyl- and thienyl-imidazo-phenanthroline polypyridyl complexes. <i>Inorganica Chimica Acta</i> , 2012, 381, 95-103.	1.2	20
72	Environmental and Industrial Optosensing with Tailored Luminescent Ru(II) Polypyridyl Complexes. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2004, , 309-357.	0.5	19

#	ARTICLE	IF	CITATIONS
73	Eu(III)-Templated molecularly imprinted polymer used as a luminescent sensor for the determination of tenuazonic acid mycotoxin in food samples. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129256.	4.0	18
74	A clean, well-defined solid system for photosensitized $^{1}O_2$ production measurements. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2249-2256.	1.3	17
75	Riboflavin derivatives for enhanced photodynamic activity against <i>Leishmania</i> parasites. <i>Tetrahedron</i> , 2015, 71, 457-462.	1.0	17
76	Water-soluble amphiphilic ruthenium(II) polypyridyl complexes as potential light-activated therapeutic agents. <i>Chemical Communications</i> , 2020, 56, 9332-9335.	2.2	17
77	Phospholipid packing and hydration in pulmonary surfactant membranes and films as sensed by LAURDAN. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 696-705.	1.4	16
78	Interaction with DNA of Photoactive Viologens Based on the 6-(2-Pyridinium)phenanthridinium Structure. <i>Journal of Biomolecular Structure and Dynamics</i> , 1995, 12, 827-846.	2.0	14
79	Molecular recognition with nanostructures fabricated by photopolymerization within metallic subwavelength apertures. <i>Nanoscale</i> , 2014, 6, 8656-8663.	2.8	14
80	Effect of Alkyl Chain Length on the Photophysical, Photochemical, and Photobiological Properties of Ruthenium(II) Polypyridyl Complexes for Their Application as DNA-Targeting, Cellular-Imaging, and Light-Activated Therapeutic Agents. <i>ACS Applied Bio Materials</i> , 2021, 4, 6664-6681.	2.3	14
81	The Interaction of DNA with Intercalating Agents Probed by Sodium-23 NMR Relaxation Rates. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 37-43.	2.0	13
82	Luminescent molecularly imprinted polymer nanocomposites for emission intensity and lifetime rapid sensing of tenuazonic acid mycotoxin. <i>Polymer</i> , 2021, 230, 124041.	1.8	13
83	Photoinduced electron transfer from nucleotides to DNA intercalating viologens A study by laser-flash photolysis and spectroelectrochemistry. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 36, 67-76.	1.7	12
84	FLUORESCENCE-BASED SENSORS. , 2006, , 99-116.		12
85	Molecularly imprinted polymer beads for clean-up and preconcentration of $\beta$ -lactamase-resistant penicillins in milk. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1843-1854.	1.9	12
86	DNA photocleavage by novel intercalating 6-(2-pyridinium)phenanthridinium viologens. <i>FEBS Letters</i> , 1995, 374, 426-428.	1.3	11
87	Fluorescent Optosensor for Humidity Measurements in Air. <i>Helvetica Chimica Acta</i> , 2001, 84, 2628.	1.0	11
88	Luminescent sensor for $O_2$ detection in biomethane streams. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 458-465.	4.0	11
89	Luminescence quenching by DNA-bound viologens: effect of reactant identity on efficiency and dynamics of electron transfer in DNA. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 58, 72-79.	1.7	10
90	Unravelling the Quenching Mechanisms of a Luminescent Ru(II) Probe for Cu(II). <i>Chemistry - an Asian Journal</i> , 2015, 10, 622-629.	1.7	10

#	ARTICLE	IF	CITATIONS
91	Equilibrium studies of a fluorescent tacrolimus binding to surfactant protein A. <i>Analytical Biochemistry</i> , 2005, 340, 57-65.	1.1	9
92	Rugged fibre-optic luminescent sensor for CO <sub>2</sub> determination in microalgae photoreactors for biofuel production. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 978-984.	4.0	9
93	Determination of the oxygen permeability (Dk) of contact lenses with a fiber-optic luminescent sensor system. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 394-399.	4.0	8
94	Online Monitoring Sensors. , 2011, , 221-261.		8
95	Tailored luminescent sensing of NH <sub>3</sub> in biomethane productions. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 210-216.	4.0	8
96	Chemical Sensing with Fiberoptic Devices. , 1991, , 29-84.		8
97	Immunosuppressant quantification in intravenous microdialysate towards novel quasi-continuous therapeutic drug monitoring in transplanted patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 935-945.	1.4	8
98	Fiberoptic colorimetric sensor for in situ measurements of airborne formaldehyde in workplace environments. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131099.	4.0	8
99	Synthesis of 5-aryl- and 5-alkyl-4-ethoxycarbonyl-2-methylthio-1,3-thiazoles from dimethyl N-(ethoxycarbonylmethyl)iminodithiocarbonate and dithioesters. <i>Bulletin Des Sociétés Chimiques Belges</i> , 1989, 98, 215-220.	0.0	7
100	Reactivity of dimethyl N-(ethoxycarbonylmethyl)iminodithiocarbonate with carbonyl compounds in basic medium. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 1577-1584.	0.9	6
101	Stereospecific DNA Binding of Luminescent Atropisomeric Viologens. <i>Biochemical and Biophysical Research Communications</i> , 1995, 214, 716-722.	1.0	6
102	Synthesis and characterisation of N-1,10-phenanthroline-5-ylalkylamides and their photosensitising heteroleptic Ru(II) complexes. <i>Tetrahedron</i> , 2005, 61, 9478-9483.	1.0	6
103	An integrated device for fast and sensitive immunosuppressant detection. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3243-3255.	1.9	6
104	Optimizing Cu(II) luminescent nanosensors by molecular engineering of the indicator dye and the encapsulation process. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2367-2377.	4.0	5
105	<title>New luminescent metal complex for pH transduction in optical fiber sensing: application to a CO<sub>2</sub>-sensitive device</title>. , 1991, ,		4
106	<title>Intensity- and lifetime-based luminescence optosensing of carbon dioxide</title>. , 1995, 2508, 18.		4
107	From molecular engineering of luminescent indicators to environmental analytical chemistry in the field with fiber-optic (bio)sensors. , 0, ,		4
108	Silane control of the electron injection and oxygen sensitivity of dye-silane-GaN hybrid materials for luminescent chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 926-934.	4.0	4

#	ARTICLE	IF	CITATIONS
109	Microalgal fiber-optic biosensors for water quality monitoring. , 2007, , .		3
110	Luminescence-Based Sensors for Bioprocess Applications. Springer Series on Fluorescence, 2019, , 1-38.	0.8	3
111	Computer-aided design of short-lived phosphorescent Ru(II) polarity probes. Dyes and Pigments, 2019, 162, 168-176.	2.0	3
112	Fibre Optic Sensors for Humidity Monitoring. , 2004, , 251-280.		3
113	Interaction of a 1,3-Dicarbonyl Toxin with Ru(II)-Bimidazole Complexes for Luminescence Sensing: A Spectroscopic and Photochemical Experimental Study Rationalized by Time-Dependent Density Functional Theory Calculations. Inorganic Chemistry, 2022, 61, 328-337.	1.9	3
114	On the reduction of enol acetates and enolates derived from $\hat{\pm}$ -chiral ketones with lithium tetrahydridoaluminate. Journal of the Chemical Society Perkin Transactions II, 1987, , 679-682.	0.9	2
115	Fibre-optic chemical sensors. , 1998, , 103-115.		2
116	Molecularly imprinted polymers as selective recognition elements for optical sensors based on fluorescent measurements. , 0, , .		2
117	Molecularly imprinted polymers as biomimetic receptors for fluorescence-based optical sensors. Proceedings of SPIE, 2007, , .	0.8	2
118	A Ruthenium Probe for Cell Viability Measurement Using Flow Cytometry, Confocal Microscopy and Time-resolved Luminescence $\hat{\pi}$ . Photochemistry and Photobiology, 2000, 72, 28-34.	1.3	2
119	Novel photosensitizing nanoparticles for PDT and biosensing applications. Journal of Photochemistry and Photobiology, 2021, 8, 100075.	1.1	2
120	Integrated luminescent chemical microsensors based on GaN LEDs for security applications using smartphones. , 2012, , .		1
121	On-line monitoring of H <sub>2</sub> generation and the HTF degradation in parabolic trough solar thermal power plants: Development of an optical sensor based on an innovative approach. AIP Conference Proceedings, 2017, , .	0.3	1
122	Luminescence-Based Sensors for Aeronautical Applications. Springer Series on Fluorescence, 2019, , 389-411.	0.8	1
123	Self-sterilizing photoactivated catheters to prevent nosocomial infections. , 2019, , .		1
124	3D Printing Filaments Facilitate the Development of Evanescent Wave Plastic Optical Fiber (POF) Chemosensors. Chemosensors, 2022, 10, 61.	1.8	1
125	Buchbesprechung: Optical Sensors and Switches. Herausgegeben von V. Ramamurthy und Kirk S. Schanze. Angewandte Chemie, 2002, 114, 4526-4527.	1.6	0
126	IN-VITRO TESTUNG BOKOMPATIBLER, POLYMERER BESCHICHTUNGEN AN OPTISCHEN OBERFLÄCHEN FÜR ANWENDUNGEN IN MEDIZIN UND BIOTECHNOLOGIE. Biomedizinische Technik, 2009, , 129-130.	0.9	0



#	ARTICLE	IF	CITATIONS
127	Comparative Characterization of Lateral Organization and Packing Properties of Lipids in Pulmonary Surfactant Membranes and Interfacial Films. Biophysical Journal, 2009, 96, 150a.	0.2	0
128	Introduction to the themed issue in honour of Esther Oliveros. Photochemical and Photobiological Sciences, 2009, 8, 901.	1.6	0
129	Oxygen Diffusion Through Lung Surfactant Layers. Biophysical Journal, 2010, 98, 488a.	0.2	0
130	Novel fluorescence-based POCT platform for therapeutic drug monitoring in transplanted patients (Conference Presentation). , 2017, , .		0
131	Luminescence-Based Sensors in Water Quality Analysis. , 2022, , .		0
132	The Interplay of Indicator, Support and Analyte in Optical Sensor Layers. , 2005, , 189-225.		0