

# Robert Godin

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

3,511  
citations

236925

25  
h-index

265206

42  
g-index

47  
all docs

47  
docs citations

47  
times ranked

4612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current understanding and challenges of solar-driven hydrogen generation using polymeric photocatalysts. <i>Nature Energy</i> , 2019, 4, 746-760.	39.5	638
2	Time-Resolved Spectroscopic Investigation of Charge Trapping in Carbon Nitrides Photocatalysts for Hydrogen Generation. <i>Journal of the American Chemical Society</i> , 2017, 139, 5216-5224.	13.7	397
3	Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitride-Molecular Ni Catalyst System. <i>Journal of the American Chemical Society</i> , 2016, 138, 9183-9192.	13.7	285
4	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6459-6463.	13.8	201
5	Electron Accumulation Induces Efficiency Bottleneck for Hydrogen Production in Carbon Nitride Photocatalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 11219-11229.	13.7	177
6	Unique hole-accepting carbon-dots promoting selective carbon dioxide reduction nearly 100% to methanol by pure water. <i>Nature Communications</i> , 2020, 11, 2531.	12.8	168
7	The Effect of Residual Palladium Catalyst Contamination on the Photocatalytic Hydrogen Evolution Activity of Conjugated Polymers. <i>Advanced Energy Materials</i> , 2018, 8, 1802181.	19.5	138
8	Metal-free dual-phase full organic carbon nanotubes/g-C <sub>3</sub> N <sub>4</sub> heteroarchitectures for photocatalytic hydrogen production. <i>Nano Energy</i> , 2018, 50, 468-478.	16.0	133
9	Efficient Hole Trapping in Carbon Dot/Oxygen-Modified Carbon Nitride Heterojunction Photocatalysts for Enhanced Methanol Production from CO <sub>2</sub> under Neutral Conditions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20811-20816.	13.8	126
10	Spectroelectrochemical study of water oxidation on nickel and iron oxyhydroxide electrocatalysts. <i>Nature Communications</i> , 2019, 10, 5208.	12.8	118
11	Tracking Charge Transfer to Residual Metal Clusters in Conjugated Polymers for Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2020, 142, 14574-14587.	13.7	118
12	Titanium dioxide/carbon nitride nanosheet nanocomposites for gas phase CO <sub>2</sub> photoreduction under UV-visible irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 369-378.	20.2	111
13	Linking in situ charge accumulation to electronic structure in doped SrTiO <sub>3</sub> reveals design principles for hydrogen-evolving photocatalysts. <i>Nature Materials</i> , 2021, 20, 511-517.	27.5	82
14	Free Radical Sensor Based on CdSe Quantum Dots with Added 4-Amino-2,2,6,6-Tetramethylpiperidine Oxide Functionality. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16353-16358.	2.6	74
15	Solar H <sub>2</sub> evolution in water with modified diketopyrrolopyrrole dyes immobilised on molecular Co and Ni catalyst-TiO <sub>2</sub> hybrids. <i>Chemical Science</i> , 2017, 8, 3070-3079.	7.4	73
16	Tuning CH <sub>3</sub> NH <sub>3</sub> Pb(I <sub>x</sub> Br <sub>x</sub> ) <sub>3</sub> perovskite oxygen stability in thin films and solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9553-9560.	10.3	72
17	Excitation Density Dependent Photoluminescence Quenching and Charge Transfer Efficiencies in Hybrid Perovskite/Organic Semiconductor Bilayers. <i>Advanced Energy Materials</i> , 2018, 8, 1802474.	19.5	59
18	Interfacial Engineering of a Carbon Nitride-Graphene Oxide-Molecular Ni Catalyst Hybrid for Enhanced Photocatalytic Activity. <i>ACS Catalysis</i> , 2018, 8, 6914-6926.	11.2	52

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19	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. <i>Angewandte Chemie</i> , 2017, 129, 6559-6563.	2.0	51
20	Post-polymerisation functionalisation of conjugated polymer backbones and its application in multi-functional emissive nanoparticles. <i>Nature Communications</i> , 2018, 9, 3237.	12.8	48
21	Electron transfer dynamics in fuel producing photosystems. <i>Current Opinion in Electrochemistry</i> , 2017, 2, 136-143.	4.8	40
22	Polymer Photoelectrodes for Solar Fuel Production: Progress and Challenges. <i>Chemical Reviews</i> , 2022, 122, 11778-11829.	47.7	39
23	Understanding the visible-light photocatalytic activity of GaN:ZnO solid solution: the role of Rh <sub>2</sub> CrO <sub>3</sub> cocatalyst and charge carrier lifetimes over tens of seconds. <i>Chemical Science</i> , 2018, 9, 7546-7555.	7.4	38
24	Monitoring in Real-Time the Degrafting of Covalently Attached Fluorescent Polymer Brushes Grafted to Silica Substrates—Effects of pH and Salt. <i>Macromolecules</i> , 2011, 44, 8177-8184.	4.8	27
25	Monitoring Chemical and Biological Electron Transfer Reactions with a Fluorogenic Vitamin K Analogue Probe. <i>Journal of the American Chemical Society</i> , 2016, 138, 16388-16397.	13.7	26
26	Interfacial charge transfer in carbon nitride heterojunctions monitored by optical methods. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021, 49, 100453.	11.6	26
27	Fluorogenic Ubiquinone Analogue for Monitoring Chemical and Biological Redox Processes. <i>Journal of the American Chemical Society</i> , 2016, 138, 11327-11334.	13.7	24
28	Spectral Characteristics and Photosensitization of TiO <sub>2</sub> Nanoparticles in Reverse Micelles by Perylenes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4568-4581.	2.6	22
29	Experimental determination of charge carrier dynamics in carbon nitride heterojunctions. <i>Chemical Communications</i> , 2021, 57, 1550-1567.	4.1	22
30	Tuning Charge Carrier Dynamics and Surface Passivation in Organolead Halide Perovskites with Capping Ligands and Metal Oxide Interfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1701203.	7.3	18
31	Counting Single Redox Turnovers: Fluorogenic Antioxidant Conversion and Mass Transport Visualization via Single Molecule Spectroelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15349-15353.	3.1	17
32	Charge Carrier Dynamics in Metal Oxide Photoelectrodes for Water Oxidation. <i>Semiconductors and Semimetals</i> , 2017, , 3-46.	0.7	16
33	Dye Lipophilicity and Retention in Lipid Membranes: Implications for Single-Molecule Spectroscopy. <i>Langmuir</i> , 2014, 30, 11138-11146.	3.5	13
34	Ambient condition oxidation in individual liposomes observed at the single molecule level. <i>Chemical Science</i> , 2014, 5, 2525-2529.	7.4	10
35	Charge-Transfer Dynamics of Fluorescent Dye-Sensitized Electrodes under Applied Biases. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2688-2693.	4.6	10
36	Dynamics of photoconversion processes: the energetic cost of lifetime gain in photosynthetic and photovoltaic systems. <i>Chemical Society Reviews</i> , 2021, 50, 13372-13409.	38.1	10

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37	Heterogeneous Charge Mobility in Individual Conjugated Polyelectrolyte Nanoparticles Revealed by Two-Color Single Particle Spectroelectrochemistry Studies. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12875-12886.	3.1	7
38	Efficient Hole Trapping in Carbon Dot/Oxygen-Modified Carbon Nitride Heterojunction Photocatalysts for Enhanced Methanol Production from CO <sub>2</sub> under Neutral Conditions. <i>Angewandte Chemie</i> , 2021, 133, 20979-20984.	2.0	7
39	Stoichiometry and Dispersity of DNA Nanostructures Using Photobleaching Pair-Correlation Analysis. <i>Bioconjugate Chemistry</i> , 2017, 28, 2340-2349.	3.6	5
40	Quantifying Heme-Protein Maturation from Ratiometric Fluorescence Lifetime Measurements on the Single Fluorophore in Its GFP Fusion. <i>Journal of Physical Chemistry A</i> , 2020, 124, 746-754.	2.5	3
41	Development of Fluorogenic Antioxidants to Monitor Reactive Oxygen Species in the Lipid Membrane of Live Cells. <i>Microscopy and Microanalysis</i> , 2014, 20, 1356-1357.	0.4	0
42	Spectroelectrochemical Study of the Catalytic Species on the Ni(Fe)OOH and FeOOH Electrocatalysts. , 0, , .		0
43	Spectroelectrochemical Study of the Catalytic Species on the Ni(Fe)OOH and FeOOH Electrocatalysts. , 0, , .		0