Robert Godin

List of Publications by Year
in descending order

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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	Polymer Photoelectrodes for Solar Fuel Production: Progress and Challenges. Chemical Reviews, 2022, 122, 11778-11829.	47.7	39
2	Experimental determination of charge carrier dynamics in carbon nitride heterojunctions. Chemical Communications, 2021, 57, 1550-1567.	4.1	22
3	Linking in situ charge accumulation to electronic structure in doped SrTiO3 reveals design principles for hydrogen-evolving photocatalysts. Nature Materials, 2021, 20, 511-517.	27.5	82
4	Efficient Hole Trapping in Carbon Dot/Oxygenâ€Modified Carbon Nitride Heterojunction Photocatalysts for Enhanced Methanol Production from CO 2 under Neutral Conditions. Angewandte Chemie, 2021, 133, 20979-20984.	2.0	7
5	Efficient Hole Trapping in Carbon Dot/Oxygenâ€Modified Carbon Nitride Heterojunction Photocatalysts for Enhanced Methanol Production from CO₂ under Neutral Conditions. Angewandte Chemie - International Edition, 2021, 60, 20811-20816.	13.8	126
6	Interfacial charge transfer in carbon nitride heterojunctions monitored by optical methods. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2021, 49, 100453.	11.6	26
7	Dynamics of photoconversion processes: the energetic cost of lifetime gain in photosynthetic and photovoltaic systems. Chemical Society Reviews, 2021, 50, 13372-13409.	38.1	10
8	Quantifying Hemeâ€“Protein Maturation from Ratiometric Fluorescence Lifetime Measurements on the Single Fluorophore in Its GFP Fusion. Journal of Physical Chemistry A, 2020, 124, 746-754.	2.5	3
9	Tracking Charge Transfer to Residual Metal Clusters in Conjugated Polymers for Photocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2020, 142, 14574-14587.	13.7	118
10	Unique hole-accepting carbon-dots promoting selective carbon dioxide reduction nearly 100% to methanol by pure water. Nature Communications, 2020, 11, 2531.	12.8	168
11	Spectroelectrochemical study of water oxidation on nickel and iron oxyhydroxide electrocatalysts. Nature Communications, 2019, 10, 5208.	12.8	118
12	Current understanding and challenges of solar-driven hydrogen generation using polymeric photocatalysts. Nature Energy, 2019, 4, 746-760.	39.5	638
13	Electron Accumulation Induces Efficiency Bottleneck for Hydrogen Production in Carbon Nitride Photocatalysts. Journal of the American Chemical Society, 2019, 141, 11219-11229.	13.7	177
14	Titanium dioxide/carbon nitride nanosheet nanocomposites for gas phase CO2 photoreduction under UV-visible irradiation. Applied Catalysis B: Environmental, 2019, 242, 369-378.	20.2	111
15	Tuning Charge Carrier Dynamics and Surface Passivation in Organolead Halide Perovskites with Capping Ligands and Metal Oxide Interfaces. Advanced Optical Materials, 2018, 6, 1701203.	7.3	18
16	Excitation Density Dependent Photoluminescence Quenching and Charge Transfer Efficiencies in Hybrid Perovskite/Organic Semiconductor Bilayers. Advanced Energy Materials, 2018, 8, 1802474.	19.5	59
17	The Effect of Residual Palladium Catalyst Contamination on the Photocatalytic Hydrogen Evolution Activity of Conjugated Polymers. Advanced Energy Materials, 2018, 8, 1802181.	19.5	138
18	Metal-free dual-phase full organic carbon nanotubes/g-C3N4 heteroarchitectures for photocatalytic hydrogen production. Nano Energy, 2018, 50, 468-478.	16.0	133

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19	Post-polymerisation functionalisation of conjugated polymer backbones and its application in multi-functional emissive nanoparticles. Nature Communications, 2018, 9, 3237.	12.8	48
20	Understanding the visible-light photocatalytic activity of GaN:ZnO solid solution: the role of Rh_{2â^'y}Cr_yO₃ cocatalyst and charge carrier lifetimes over tens of seconds. Chemical Science, 2018, 9, 7546-7555.	7.4	38
21	Interfacial Engineering of a Carbon Nitrideâ€“Graphene Oxideâ€“Molecular Ni Catalyst Hybrid for Enhanced Photocatalytic Activity. ACS Catalysis, 2018, 8, 6914-6926.	11.2	52
22	Solar H₂ evolution in water with modified diketopyrrolopyrrole dyes immobilised on molecular Co and Ni catalystâ€“TiO₂ hybrids. Chemical Science, 2017, 8, 3070-3079.	7.4	73
23	Electron transfer dynamics in fuel producing photosystems. Current Opinion in Electrochemistry, 2017, 2, 136-143.	4.8	40
24	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. Angewandte Chemie, 2017, 129, 6559-6563.	2.0	51
25	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. Angewandte Chemie - International Edition, 2017, 56, 6459-6463.	13.8	201
26	Time-Resolved Spectroscopic Investigation of Charge Trapping in Carbon Nitrides Photocatalysts for Hydrogen Generation. Journal of the American Chemical Society, 2017, 139, 5216-5224.	13.7	397
27	Tuning CH₃NH₃Pb(I_{1â^'x}Br_x)₃ perovskite oxygen stability in thin films and solar cells. Journal of Materials Chemistry A, 2017, 5, 9553-9560.	10.3	72
28	Charge Carrier Dynamics in Metal Oxide Photoelectrodes for Water Oxidation. Semiconductors and Semimetals, 2017, , 3-46.	0.7	16
29	Stoichiometry and Dispersity of DNA Nanostructures Using Photobleaching Pair-Correlation Analysis. Bioconjugate Chemistry, 2017, 28, 2340-2349.	3.6	5
30	Fluorogenic Ubiquinone Analogue for Monitoring Chemical and Biological Redox Processes. Journal of the American Chemical Society, 2016, 138, 11327-11334.	13.7	24
31	Monitoring Chemical and Biological Electron Transfer Reactions with a Fluorogenic Vitamin K Analogue Probe. Journal of the American Chemical Society, 2016, 138, 16388-16397.	13.7	26
32	Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitrideâ€“Molecular Ni Catalyst System. Journal of the American Chemical Society, 2016, 138, 9183-9192.	13.7	285
33	Counting Single Redox Turnovers: Fluorogenic Antioxidant Conversion and Mass Transport Visualization via Single Molecule Spectroelectrochemistry. Journal of Physical Chemistry C, 2016, 120, 15349-15353.	3.1	17
34	Heterogeneous Charge Mobility in Individual Conjugated Polyelectrolyte Nanoparticles Revealed by Two-Color Single Particle Spectroelectrochemistry Studies. Journal of Physical Chemistry C, 2015, 119, 12875-12886.	3.1	7
35	Charge-Transfer Dynamics of Fluorescent Dye-Sensitized Electrodes under Applied Biases. Journal of Physical Chemistry Letters, 2015, 6, 2688-2693.	4.6	10
36	Ambient condition oxidation in individual liposomes observed at the single molecule level. Chemical Science, 2014, 5, 2525-2529.	7.4	10

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37	Dye Lipophilicity and Retention in Lipid Membranes: Implications for Single-Molecule Spectroscopy. Langmuir, 2014, 30, 11138-11146.	3.5	13
38	Development of Fluorogenic Antioxidants to Monitor Reactive Oxygen Species in the Lipid Membrane of Live Cells.. Microscopy and Microanalysis, 2014, 20, 1356-1357.	0.4	0
39	Spectral Characteristics and Photosensitization of TiO₂ Nanoparticles in Reverse Micelles by Perylenes. Journal of Physical Chemistry B, 2013, 117, 4568-4581.	2.6	22
40	Monitoring in Real-Time the Degrafting of Covalently Attached Fluorescent Polymer Brushes Grafted to Silica Substratesâ€"Effects of pH and Salt. Macromolecules, 2011, 44, 8177-8184.	4.8	27
41	Free Radical Sensor Based on CdSe Quantum Dots with Added 4-Amino-2,2,6,6-Tetramethylpiperidine Oxide Functionality. Journal of Physical Chemistry B, 2006, 110, 16353-16358.	2.6	74
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