

Samuel C. Perry

Researcher | Educator | Communicator

Enthusiastic electrochemical scientist, passionate about research, teaching communication and dissemination of exciting, new science. Proud to mentor multiple students through research, learning and career goals. Facilitating student-led learning through technology, support and motivation. Driving innovative new research through publication, presentation and outreach events. Excited to inspire new research directions, meaningful policy change and scientific interest through outreach and communication.

EXPERIENCE

University of Southampton, UK.
2018 – present

Research Fellow.

Leading a work package on CO₂ reduction as part of a large European Horizon 2020 collaboration
Mentoring PhD, masters and undergraduate students across a range of projects

McGill University, Montréal, Canada.
2016 – 2018

Research Fellow.

Multiple research goals, including biosensors, ECL and finite element modelling of corrosion systems
Designed simultaneous research projects, helping to support a number of postgraduate students

EDUCATION

University of Southampton, UK.
2012 – 2016

Ph. D Electrochemistry.

Multiple research goals, including kinetic analysis and transient studies of ORR

University of Southampton, UK.
2008 – 2012

Master of Chemistry First Class (Hons)

Dissertations on PEM fuel cell catalysts and localised electrochemical etching

FUNDING AND AWARDS

Research grants

MITACS (\$15,000) and NSERC (\$72,000), Canada.
Collaboration with industrial partners

Travel grants

Multiple awards (£2,620)
Chemical, Physics, and Electrochemical Institutes

Scholarships

sp³ scholarship (£3,000), University of Scholarship
Scholarship awarded for academic excellence

PUBLICATIONS

Articles and reviews
2014 - 2020

15 publications with 115 citations
High impact factor journals (3.6 < IF < 25.6)
Includes Nature Reviews Chemistry, Chemosphere, and Analytical Chemistry

COMMUNICATION

Policy impact

STEM for Britain, Houses of Parliament, UK.
Presenting latest CO₂ reduction technology to MPs

Conferences

Multiple national and international conferences
Oral and poster presentations at 10 events

Outreach

Pint of Science committee member 2020
Access lecturers for students from Asia
Engagement lectures for potential first-gen students

CONTACT



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NETWORK



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COMMUNICATION



Grant and Paper Writing



Conferences and symposia



Outreach and Engagement



Forging collaborations

LEARNING AND MENTORSHIP



Lectures, workshops and exams



Technology in learning



AdvanceHE Fellow



Mentoring through successes

COLLEGIALITY



Early Career Researcher committees

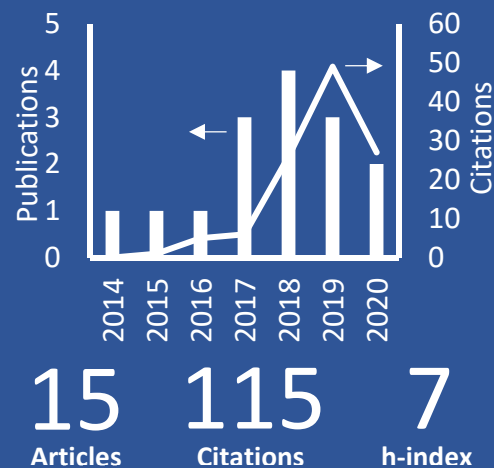


Pastoral care, wellbeing and conflict resolution

PROFESSIONAL ACCREDITATIONS



PUBLICATIONS



CONFERENCES



GRANT SUCCESSES



COMMITTEE APPOINTMENTS



Early Career Researcher Representative

RESEARCH AND LEADERSHIP

Project Leadership	Established and led collaborations with industrial and academic partners Coordinated grant writing with partners in industry Simultaneously led multiple research projects
Research Skillset	Carried out individual and team experimental and simulated research Sought additional funding sources Regularly publish in high impact journals
Student Mentorship	Led 4 undergraduate, 11 masters and 9 Ph. D students Mentored students through research, fellowship applications, paper writing and thesis defence Focus on pastoral care, conflict resolution, student wellbeing and safety
Collegiality	Early Career Representative for Royal Society of Chemistry Steering Group and Southampton University ECR Committee Regularly attend departmental and faculty meetings Peer review for multiple chemistry journals Member of professional bodies in chemistry, electrochemistry and education

TEACHING

Accreditation	Fellow of AdvanceHE
Classes given	Postgraduate chemistry and engineering Multiple classes for 25 – 40 students Electrochemistry Summer School Practical and experimental sessions
Teaching materials	Lectures, workshops and practical sessions Developed all delivered learning resources, including lecture slides, assignments and exams questions Technology with learning Integrated anonymous polls into class through a mobile app, and pre-lab video resources
Student engagement	Student symposium Arranged a student symposium for flow electrochemistry and wrote and gave a lecture

REFERENCES

Current supervisor	Carlos Ponce de Leon Associate Professor University of Southampton, Southampton, UK. <i>Contact details available on request</i>
Former supervisor	Janine Mauzeroll Professor McGill University, Montreal, Canada. <i>Contact details available on request</i>
PhD supervisor	Guy Denuault Associate Professor University of Southampton, Southampton, UK <i>Contact details available on request</i>