

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

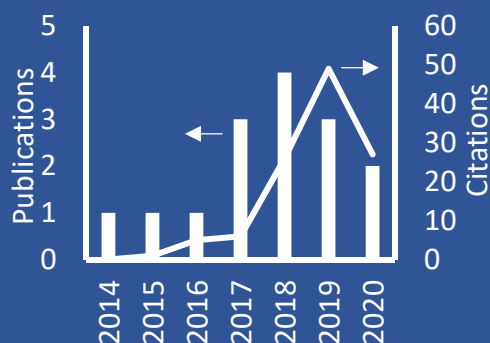


Pastoral care, wellbeing and conflict resolution

PROFESSIONAL ACCREDITATIONS



PUBLICATIONS



15 Articles
115 Citations
7 h-index



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.
Contact details available on request

Former supervisor

Janine Mauzeroll Professor
McGill University, Montreal, Canada.
Contact details available on request

PhD supervisor

Guy Denuault Associate Professor
University of Southampton, Southampton, UK
Contact details available on request