# Marc Walter

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 19 papers | 1,634 citations | 16 h-index | 20 g-index |
| 20 ext. papers | 1,831 ext. citations | 8.9 avg, IF | 5.1 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 19 | Challenges and benefits of post-lithium-ion batteries. *New Journal of Chemistry*, **2020**, 44, 1677-1683 | 3.6 | 66 |
| 18 | Monodisperse CoSb nanocrystals as high-performance anode material for Li-ion batteries. *Chemical Communications*, **2020**, 56, 13872-13875 | 5.8 | 1 |
| 17 | Cost-effective sol-gel synthesis of porous CuO nanoparticle aggregates with tunable specific surface area. *Scientific Reports*, **2019**, 9, 11758 | 4.9 | 33 |
| 16 | A high-voltage concept with sodium-ion conducting β-alumina for magnesium-sodium dual-ion batteries. *Communications Chemistry*, **2019**, 2, | 6.3 | 13 |
| 15 | Polypyrenes as High-Performance Cathode Materials for Aluminum Batteries. *Advanced Materials*, **2018**, 30, e1705644 | 24 | 122 |
| 14 | Oxidized Co-Sn nanoparticles as long-lasting anode materials for lithium-ion batteries. *Nanoscale*, **2018**, 10, 3777-3783 | 7.7 | 22 |
| 13 | Monodisperse CoSn and FeSn nanocrystals as high-performance anode materials for lithium-ion batteries. *Nanoscale*, **2018**, 10, 6827-6831 | 7.7 | 41 |
| 12 | Porous Ge@C materials via twin polymerization of germanium(II) salicyl alcoholates for Li-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 2705-2719 | 13 | 19 |
| 11 | Inexpensive colloidal SnSb nanoalloys as efficient anode materials for lithium- and sodium-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 7053-7059 | 13 | 75 |
| 10 | From molecular germanates to microporous Ge@C via twin polymerization. *Dalton Transactions*, **2016**, 45, 5741-51 | 4.3 | 8 |
| 9 | Pyrite (FeS2) nanocrystals as inexpensive high-performance lithium-ion cathode and sodium-ion anode materials. *Nanoscale*, **2015**, 7, 9158-63 | 7.7 | 151 |
| 8 | Inexpensive antimony nanocrystals and their composites with red phosphorus as high-performance anode materials for Na-ion batteries. *Scientific Reports*, **2015**, 5, 8418 | 4.9 | 57 |
| 7 | Efficient and Inexpensive Sodium–Magnesium Hybrid Battery. *Chemistry of Materials*, **2015**, 27, 7452-7458 | 9.6 | 81 |
| 6 | Colloidal BiF3 nanocrystals: a bottom-up approach to conversion-type Li-ion cathodes. *Nanoscale*, **2015**, 7, 16601-5 | 7.7 | 17 |
| 5 | Monodisperse SnSb nanocrystals for Li-ion and Na-ion battery anodes: synergy and dissonance between Sn and Sb. *Nanoscale*, **2015**, 7, 455-9 | 7.7 | 118 |
| 4 | Evaluation of Metal Phosphide Nanocrystals as Anode Materials for Na-ion Batteries. *Chimia*, **2015**, 69, 724-728 | 1.3 | 35 |
| 3 | Unraveling the core-shell structure of ligand-capped Sn/SnOx nanoparticles by surface-enhanced nuclear magnetic resonance, Mössbauer, and X-ray absorption spectroscopies. *ACS Nano*, **2014**, 8, 2639-48 | 16.7 | 81 |

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|---|---|---|---|
| 2 | Monodisperse antimony nanocrystals for high-rate Li-ion and Na-ion battery anodes: nano versus bulk. *Nano Letters*, **2014**, 14, 1255-62 | 11.5 | 380 |
| 1 | Monodisperse and inorganically capped Sn and Sn/SnO2 nanocrystals for high-performance Li-ion battery anodes. *Journal of the American Chemical Society*, **2013**, 135, 4199-202 | 16.4 | 314 |