

Year 2015

1. “Crystallization-Induced Energy Level Change of [6,6]-Phenyl-C₆₁-Butyric Acid Methyl Ester (PCBM) Film: Impact of Electronic Polarization Energy.”
Zhong, Y.; Izawa, S.; Hashimoto, K.; Tajima, K.; Koganezawa, T.; Yoshida, H.
J. Phys. Chem. C **2015**, *119* (1), 23-28.
[doi:10.1021/jp506296j](https://doi.org/10.1021/jp506296j) (2014/12/15)
2. “In Situ CO₂-Emission Assisted Synthesis of Molybdenum Carbonitride Nanomaterial as Hydrogen Evolution Electrocatalyst.”
Zhao, Y.; Kamiya, K.; Hashimoto, K.; Nakanishi, S.
J. Am. Chem. Soc. **2015**, *137* (1), 110-113.
[doi:10.1021/ja5114529](https://doi.org/10.1021/ja5114529) (2014/12/22)
3. “Cobalt phthalocyanine analogs as soluble catalysts that improve the charging performance of Li-O₂ batteries.”
Matsuda, S.; Mori, S.; Kubo, Y.; Uosaki, K.; Hashimoto, K.; Nakanishi, S.
Chem. Phys. Lett. **2015**, *620*, 78-81.
[doi:10.1016/j.cplett.2014.12.036](https://doi.org/10.1016/j.cplett.2014.12.036) (2014/12/23)
4. “Efficient Bifunctional Fe/C/N Electrocatalysts for Oxygen Reduction and Evolution Reaction.”
Zhao, Y.; Kamiya, K.; Hashimoto, K.; Nakanishi, S.
J. Phys. Chem. C **2015**, *119* (5), 2583-2588.
[doi:10.1021/jp511515q](https://doi.org/10.1021/jp511515q) (2015/1/9)
5. “Extracellular Electron Transport Scarcely Accumulates Proton Motive Force in *Shewanella oneidensis* MR-1.”
Tokunou, Y.; Hashimoto, K.; Okamoto, A.
Bull. Chem. Soc. Jpn. **2015**, *88*(5), 690-692.
[doi:10.1246/bcsj.20140407](https://doi.org/10.1246/bcsj.20140407) (2015/2/5)
6. “Dominant Effects of First Monolayer Energetics at Donor/Acceptor Interfaces on Organic Photovoltaics.”
Izawa, S.; Nakano, K.; Suzuki, K.; Hashimoto, K.; Tajima, K.
Adv. Mater. **2015**, *27*(19), 3025-3031.
[doi:10.1002/adma.201500840](https://doi.org/10.1002/adma.201500840) (2015/4/9)
7. “Electron Extraction from an Extracellular Electrode by *Desulfovibrio ferrophilus* Strain IS5 Without Using Hydrogen as an Electron Carrier.”
Deng, X.; Nakamura, R.; Hashimoto, K.; Okamoto, A.
Electrochemistry **2015**, *83* (7), 529-531.
[doi:10.5796/electrochemistry.83.529](https://doi.org/10.5796/electrochemistry.83.529) (2015/4/28)
8. “Electrochemical Detection of Circadian Redox Rhythm in Cyanobacterial Cells via Extracellular Electron Transfer.”
Nishio, K.; Pornpitra, T.; Izawa, S.; Nishiwaki-ohkawa, T.; Kato, S.; Hashimoto, K.; Nakanishi, S.
Plant and Cell Physiology **2015**, *56* (6), 1053-1058.
[doi:10.1093/pcp/pcv066](https://doi.org/10.1093/pcp/pcv066) (2015/4/28)
9. “Extracellular Electron Transport Scarcely Accumulates Proton Motive Force in *Shewanella oneidensis* MR-1.”

- Tokunou, Y.; [Hashimoto, K.](#); Okamoto, A.
Bull. Chem. Soc. Jpn. **2015**, *88* (5), 690-692.
[doi:10.1246/bcsj.20140407](https://doi.org/10.1246/bcsj.20140407) (2015/5/15)
10. “Sulfur-Mediated Electron Shuttling Sustains Microbial Long-Distance Extracellular Electron Transfer with the Aid of Metallic Iron Sulfides.”
Kondo, K.; Okamoto, A.; [Hashimoto, K.](#); Nakamura, R.
Langmuir **2015**, *31* (26), 7427-7434.
[doi:10.1021/acs.langmuir.5b01033](https://doi.org/10.1021/acs.langmuir.5b01033) (2015/6/12)
 11. “Visible-light sensitive Cu(II)-TiO₂ with sustained anti-viral activity for efficient indoor environmental remediation.”
Liu, M.; Sunada, K.; [Hashimoto, K.](#); Miyauchi, M.
J. Mater. Chem. A **2015**, *3* (33), 17312-17319.
[doi:10.1039/c5ta03756e](https://doi.org/10.1039/c5ta03756e) (2015/7/17)
 12. “Copper-Modified Covalent Triazine Frameworks as Non-Noble-Metal Electrocatalysts for Oxygen Reduction.”
Iwase, K.; Yoshioka, T.; Nakanishi, S.; [Hashimoto, K.](#); Kamiya, K.
Angew. Chem. Int. Ed. **2015**, *54* (38), 11068-11072.
[doi:10.1002/anie.201503637](https://doi.org/10.1002/anie.201503637) (2015/7/29)
 13. “Optical Anisotropy and Strong *H*-Aggregation of Poly(3-Alkylthiophene) in a Surface Monolayer.”
Wang, F.; [Hashimoto, K.](#); Tajima, K.
Adv. Mater. **2015**, *27* (39), 6014-6020.
[doi:10.1002/adma.201502339](https://doi.org/10.1002/adma.201502339) (2015/8/27)
 14. “Heat-treated 3,5-diamino-1,2,4-triazole/graphene hybrid functions as an oxygen reduction electrocatalyst with high activity and stability.”
Koshikawa, H.; Nakanishi, S.; [Hashimoto, K.](#); Kamiya, K.
Electrochim. Acta **2015**, *180*, 173-177.
[doi:10.1016/j.electacta.2015.08.120](https://doi.org/10.1016/j.electacta.2015.08.120) (2015/8/28)
 15. “From chemolithoautotrophs to electrolithoautotrophs: CO₂ fixation by Fe(II)-oxidizing bacteria coupled with direct uptake of electrons from solid electron sources.”
Ishii, T.; Kawaichi, S.; Nakagawa, H.; [Hashimoto, K.](#); Nakamura, R.
Front. Microbiol. **2015**, *6*.
[doi:10.3389/fmicb.2015.00994](https://doi.org/10.3389/fmicb.2015.00994) (2015/9/25)