

## Department of Energy Funding Information from Israel Wachs

Basic Research Needs for Future Nuclear Energy (Brochure available; full report to be published) [https://science.energy.gov/~media/bes/pdf/brochures/2017/Future\\_Nuclear\\_Energy\\_Brochure.pdf](https://science.energy.gov/~media/bes/pdf/brochures/2017/Future_Nuclear_Energy_Brochure.pdf)

Basic Research Needs for Catalysis Science (Brochure available; full report to be published) [https://science.energy.gov/~media/bes/pdf/brochures/2017/Catalysis\\_Science\\_brochure.pdf](https://science.energy.gov/~media/bes/pdf/brochures/2017/Catalysis_Science_brochure.pdf)

Basic Research Needs for Next Generation Electrical Energy Storage [https://science.energy.gov/~media/bes/pdf/reports/2017/BRN\\_NGEES\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/2017/BRN_NGEES_rpt.pdf)

Basic Research Needs for Energy and Water (Brochure available; full report to be published) [https://science.energy.gov/~media/bes/pdf/brochures/2017/Energy\\_and\\_Water\\_Brochure.pdf](https://science.energy.gov/~media/bes/pdf/brochures/2017/Energy_and_Water_Brochure.pdf)

Basic Research Needs for Transformative Experimental Tools [https://science.energy.gov/~media/bes/pdf/reports/2017/BRNIDTET\\_rpt\\_print.pdf](https://science.energy.gov/~media/bes/pdf/reports/2017/BRNIDTET_rpt_print.pdf)

Basic Research Needs for Synthesis Science [https://science.energy.gov/~media/bes/pdf/reports/2017/BRN\\_SS\\_Rpt\\_web.pdf](https://science.energy.gov/~media/bes/pdf/reports/2017/BRN_SS_Rpt_web.pdf)

Basic Research Needs for Quantum Materials [https://science.energy.gov/~media/bes/pdf/reports/2016/BRNQM\\_rpt\\_Final\\_12-09-2016.pdf](https://science.energy.gov/~media/bes/pdf/reports/2016/BRNQM_rpt_Final_12-09-2016.pdf)

Controlling Subsurface Fractures and Fluid Flow: A Basic Research Agenda [https://science.energy.gov/~media/bes/pdf/reports/2015/Controlling\\_Subsurface\\_Fractures\\_and\\_Fluid\\_Flow\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/2015/Controlling_Subsurface_Fractures_and_Fluid_Flow_rpt.pdf)

Basic Research Needs for Carbon Capture: Beyond 2020 [https://science.energy.gov/~media/bes/pdf/reports/files/Basic\\_Research\\_Needs\\_for\\_Carbon\\_Capture\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/files/Basic_Research_Needs_for_Carbon_Capture_rpt.pdf)

Basic Research Needs for Solid-State Lighting [https://science.energy.gov/~media/bes/pdf/reports/files/Basic\\_Research\\_Needs\\_for\\_Solid-State\\_Lighting\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/files/Basic_Research_Needs_for_Solid-State_Lighting_rpt.pdf)

Basic Research Needs for Solar Energy Utilization [https://science.energy.gov/~media/bes/pdf/reports/files/Basic\\_Research\\_Needs\\_for\\_Solar\\_Energy\\_Utilization\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/files/Basic_Research_Needs_for_Solar_Energy_Utilization_rpt.pdf)

Basic Research Needs for the Hydrogen Economy [https://science.energy.gov/~media/bes/pdf/reports/files/Basic\\_Research\\_Needs\\_for\\_the\\_Hydrogen\\_Economy\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/files/Basic_Research_Needs_for_the_Hydrogen_Economy_rpt.pdf)

Directing Matter and Energy: Five Challenges for Science and the Imagination. [https://science.energy.gov/~media/bes/pdf/reports/files/Directing\\_Matter\\_and\\_Energy\\_rpt.pdf](https://science.energy.gov/~media/bes/pdf/reports/files/Directing_Matter_and_Energy_rpt.pdf)

Challenges at the Frontiers of Matter and Energy: Transformative Opportunities for Discovery Science. [https://science.energy.gov/~media/bes/besac/pdf/Reports/Challenges\\_at\\_the\\_Frontiers\\_of\\_Matter\\_and\\_Energy\\_rpt.pdf](https://science.energy.gov/~media/bes/besac/pdf/Reports/Challenges_at_the_Frontiers_of_Matter_and_Energy_rpt.pdf)