# Phil Renforth

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3094850/publications.pdf

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| 36 | 2,898 | 304743 | 377865 |
|---|---|---|---|
| papers | citations | 22 h-index | 34 g-index |

| 38 | 38 | 38 | 1974 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Potential of enhanced weathering of calcite in packed bubble columns with seawater for carbon dioxide removal. Chemical Engineering Journal, 2022, 431, 134096. | 12.7 | 11 |
| 2 | The Dissolution of Olivine Added to Soil at 4Â°C: Implications for Enhanced Weathering in Cold Regions. Frontiers in Climate, 2022, 4, . | 2.8 | 12 |
| 3 | Towards a business case for CO2 mineralisation in the cement industry. Communications Earth & Environment, 2022, 3, . | 6.8 | 32 |
| 4 | Substantial carbon drawdown potential from enhanced rock weathering in the United Kingdom. Nature Geoscience, 2022, 15, 382-389. | 12.9 | 48 |
| 5 | The lithium and magnesium isotope signature of olivine dissolution in soil experiments. Chemical Geology, 2021, 560, 120008. | 3.3 | 9 |
| 6 | Potential of Maritime Transport for Ocean Liming and Atmospheric CO2 Removal. Frontiers in Climate, 2021, 3, . | 2.8 | 21 |
| 7 | Global Carbon Dioxide Removal Potential of Waste Materials From Metal and Diamond Mining. Frontiers in Climate, 2021, 3, . | 2.8 | 28 |
| 8 | The role of soils in the regulation of ocean acidification. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200174. | 4.0 | 17 |
| 9 | Soil-derived Nature's Contributions to People and their contribution to the UN Sustainable Development Goals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200185. | 4.0 | 15 |
| 10 | Buffered accelerated weathering of limestone for storing CO2: Chemical background. International Journal of Greenhouse Gas Control, 2021, 112, 103517. | 4.6 | 7 |
| 11 | Legacy iron and steel wastes in the UK: Extent, resource potential, and management futures. Journal of Geochemical Exploration, 2020, 219, 106630. | 3.2 | 28 |
| 12 | Engineered carbon mineralization in ultramafic rocks for CO2 removal from air: Review and new insights. Chemical Geology, 2020, 550, 119628. | 3.3 | 90 |
| 13 | Ambient weathering of magnesium oxide for CO2 removal from air. Nature Communications, 2020, 11, 3299. | 12.8 | 95 |
| 14 | Potential for large-scale CO2 removal via enhanced rock weathering with croplands. Nature, 2020, 583, 242-248. | 27.8 | 263 |
| 15 | Atmospheric Carbon Capture Performance of Legacy Iron and Steel Waste. Environmental Science & Technology, 2019, 53, 9502-9511. | 10.0 | 39 |
| 16 | Land-Management Options for Greenhouse Gas Removal and Their Impacts on Ecosystem Services and the Sustainable Development Goals. Annual Review of Environment and Resources, 2019, 44, 255-286. | 13.4 | 181 |
| 17 | The negative emission potential of alkaline materials. Nature Communications, 2019, 10, 1401. | 12.8 | 166 |
| 18 | The potential environmental response to increasing ocean alkalinity for negative emissions. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 1191-1211. | 2.1 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | CO2 Removal With Enhanced Weathering and Ocean Alkalinity Enhancement: Potential Risks and Co-benefits for Marine Pelagic Ecosystems. Frontiers in Climate, 2019, 1, . | 2.8 | 107 |
| 20 | Introduction to keeping lessons alive in engineering geology. Quarterly Journal of Engineering Geology and Hydrogeology, 2019, 52, 399-400. | 1.4 | 0 |
| 21 | Atmospheric CO<sub>2</sub> Sequestration in Iron and Steel Slag: Consett, County Durham, United Kingdom. Environmental Science & Technology, 2018, 52, 7892-7900. | 10.0 | 52 |
| 22 | Olivine Dissolution in Seawater: Implications for CO<sub>2</sub> Sequestration through Enhanced Weathering in Coastal Environments. Environmental Science & Technology, 2017, 51, 3960-3972. | 10.0 | 139 |
| 23 | Assessing ocean alkalinity for carbon sequestration. Reviews of Geophysics, 2017, 55, 636-674. | 23.0 | 216 |
| 24 | Rapid Removal of Atmospheric CO<sub>2</sub> by Urban Soils. Environmental Science & Technology, 2015, 49, 5434-5440. | 10.0 | 76 |
| 25 | Carbon Dioxide Efficiency of Terrestrial Enhanced Weathering. Environmental Science & Technology, 2014, 48, 4809-4816. | 10.0 | 119 |
| 26 | Enhanced chemical weathering as a geoengineering strategy to reduce atmospheric carbon dioxide, supply nutrients, and mitigate ocean acidification. Reviews of Geophysics, 2013, 51, 113-149. | 23.0 | 323 |
| 27 | Carbonate precipitation in artificial soils produced from basaltic quarry fines and composts: An opportunity for passive carbon sequestration. International Journal of Greenhouse Gas Control, 2013, 17, 309-317. | 4.6 | 74 |
| 28 | Engineering challenges of ocean liming. Energy, 2013, 60, 442-452. | 8.8 | 68 |
| 29 | Behavior of Aluminum, Arsenic, and Vanadium during the Neutralization of Red Mud Leachate by HCl, Gypsum, or Seawater. Environmental Science & Technology, 2013, 47, 6527-6535. | 10.0 | 115 |
| 30 | Passive Sequestration of Atmospheric CO<sub>2</sub> through Coupled Plant-Mineral Reactions in Urban soils. Environmental Science & Technology, 2013, 47, 135-141. | 10.0 | 74 |
| 31 | The potential of enhanced weathering in the UK. International Journal of Greenhouse Gas Control, 2012, 10, 229-243. | 4.6 | 151 |
| 32 | Investigating carbonate formation in urban soils as a method for capture and storage of atmospheric carbon. Science of the Total Environment, 2012, 431, 166-175. | 8.0 | 101 |
| 33 | Laboratory carbonation of artificial silicate gels enhanced by citrate: Implications for engineered pedogenic carbonate formation. International Journal of Greenhouse Gas Control, 2011, 5, 1578-1586. | 4.6 | 22 |
| 34 | Designing a carbon capture function into urban soils. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2011, 164, 121-128. | 0.7 | 16 |
| 35 | Carbonate precipitation in artificial soils as a sink for atmospheric carbon dioxide. Applied Geochemistry, 2009, 24, 1757-1764. | 3.0 | 134 |
| 36 | Geochemical Negative Emissions Technologies: Part I. Review. Frontiers in Climate, 0, 4, . | 2.8 | 20 |