

# Gangwei Fan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6176479/publications.pdf>

Version: 2024-02-01

55  
papers

890  
citations

567281

15  
h-index

501196

28  
g-index

57  
all docs

57  
docs citations

57  
times ranked

617  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A New Repeated Mining Method With Preexisting Damage Zones Filled for Ultra-Thick Coal Seam Extraction – Case Study. <i>Frontiers in Earth Science</i> , 2022, 10, .   | 1.8 | 2         |
| 2  | A Coal Bump Risk Assessment and Prediction Model Based on Multiparameter Indices. <i>Geofluids</i> , 2022, 2022, 1-10.   | 0.7 | 0         |
| 3  | Triaxial test on the response of mechanical property of frozen body in unconsolidated aquifer to mining-induced stress. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.                        | 3.5 | 4         |
| 4  | Numerical Simulation of Crack Initiation and Propagation Evolution Law of Hydraulic Fracturing Holes in Coal Seams Considering Permeability Anisotropy and Damage. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 494. | 2.0 | 2         |
| 5  | Evaluation of eco-environmental quality for the coal-mining region using multi-source data. <i>Scientific Reports</i> , 2022, 12, 6623.  | 3.3 | 12        |
| 6  | Coupling Influence of Inclination Angle and Moisture Content on Mechanical Properties and Microcrack Fracture of Coal Specimens. <i>Lithosphere</i> , 2022, 2021, .  | 1.4 | 2         |
| 7  | Experimental Investigation on Post-Peak Permeability Evolution Law of Saturated Sandstone under Various Cyclic Loading – Unloading and Confining Pressure. <i>Water (Switzerland)</i> , 2022, 14, 1773.                  | 2.7 | 2         |
| 8  | Impacts of Underground Coal Mining on the Roots of Xeromorphic Plant: A Case Study. <i>Environmental Engineering Science</i> , 2021, 38, 500-512.  | 1.6 | 2         |
| 9  | Disaster Control of Roof Falling in Deep Coal Mine Roadway Subjected to High Abutment Pressure. <i>Geofluids</i> , 2021, 2021, 1-17.   | 0.7 | 5         |
| 10 | Optimal injection timing and gas mixture proportion for enhancing coalbed methane recovery. <i>Energy</i> , 2021, 222, 119880.   | 8.8 | 34        |
| 11 | Fracture Propagation and Hydraulic Properties of a Coal Floor Subjected to Thick-Seam Longwalling above a Highly Confined Aquifer. <i>Geofluids</i> , 2021, 2021, 1-12.  | 0.7 | 3         |
| 12 | Non-Darcy thermal-hydraulic-mechanical damage model for enhancing coalbed methane extraction. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 93, 104048.  | 4.4 | 14        |
| 13 | Permeability and Energy Evolution Characteristics of Heterogeneous Coal and Rock Mass. <i>Natural Resources Research</i> , 2021, 30, 4493-4514.  | 4.7 | 6         |
| 14 | Effect of mining parameters on surface deformation and coal pillar stability under customized shortwall mining of deep extra-thick coal seams. <i>Energy Reports</i> , 2021, 7, 2138-2154.                               | 5.1 | 14        |
| 15 | Representation of mining permeability and borehole layout optimization for efficient methane drainage. <i>Energy Reports</i> , 2021, 7, 3911-3921.   | 5.1 | 9         |
| 16 | Dual-hazard control mechanism of burst-prone and spontaneous combustion coalface considering effect of retreat speed. <i>Energy Reports</i> , 2021, 7, 278-288.  | 5.1 | 13        |
| 17 | Impacts of longwall mining speeds on permeability of weakly cemented strata and subsurface watertable: a case study. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 3063-3088.                                   | 4.3 | 15        |
| 18 | Aquiclude Stability Evaluation and Significance Analysis of Influencing Factors of Close-Distance Coal Seams: A Case Study of the Yili No. 4 Coal Mine in Xinjiang, China. <i>Geofluids</i> , 2021, 2021, 1-17.          | 0.7 | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Experimental study on the influence of hydro-chemical erosion on morphology parameters and shear properties of limestone fractures. <i>Acta Geotechnica</i> , 2021, 16, 3867-3880.  | 5.7 | 12        |
| 20 | Impact of Mine Panel Size on Hydraulic Permeability of Weakly Cemented Strata. <i>Sustainability</i> , 2020, 12, 2396.  | 3.2 | 7         |
| 21 | Study on material properties and similar material proportion of weakly cemented water-resisting strata. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.  | 1.3 | 17        |
| 22 | Mechanism of Secondary Breakage in the Overlying Strata during Repetitious Mining of an Ultrathick Coal Seam in Design Stage. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-10.                                    | 0.7 | 1         |
| 23 | Influence of Stress and Crack Patterns on the Sensitive Characteristics of Fissure Sandstone Permeability under Hydromechanical Coupling. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 641.                           | 2.5 | 4         |
| 24 | An Index of Aquiclude Destabilization for Mining-Induced Roof Water Inrush Forecasting: A Case Study. <i>Water (Switzerland)</i> , 2019, 11, 2170.  | 2.7 | 8         |
| 25 | Prediction of water resource carrying capacity by the analytic hierarchy process-fuzzy discrimination method in a mining area. <i>Ecological Indicators</i> , 2019, 96, 647-655.  | 6.3 | 52        |
| 26 | Physical simulation research on evolution laws of clay aquifuge stability during slice mining. <i>Environmental Earth Sciences</i> , 2018, 77, 1.   | 2.7 | 19        |
| 27 | Pillar size optimization design of isolated island panel gob-side entry driving in deep inclined coal seam—case study of Pingmei No. 6 coal seam. <i>Journal of Geophysics and Engineering</i> , 2018, 15, 816-828.       | 1.4 | 48        |
| 28 | Assessment and Prevention of Water and Sand Inrush Associated with Coal Mining Under a Water-filled Buried Gully: A Case Study. <i>Mine Water and the Environment</i> , 2018, 37, 565-576.                                | 2.0 | 20        |
| 29 | Inorganic Cement Grouting for Reinforcing Triangular Zone of Highly Gassy Coal Face with Large Mining Height. <i>Energies</i> , 2018, 11, 2549.   | 3.1 | 14        |
| 30 | Experimental Study on the Permeability of Weakly Cemented Rock under Different Stress States in Triaxial Compression Tests. <i>Geofluids</i> , 2018, 2018, 1-9.   | 0.7 | 14        |
| 31 | Prediction of top-coal caving and drawing characteristics by the analytic hierarchy process-fuzzy discrimination method in extra-thick coal seams. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 33, 2533-2545. | 1.4 | 9         |
| 32 | Determination of the Height of the Water-Conducting Fractured Zone in Difficult Geological Structures: A Case Study in Zhao Gu No. 1 Coal Seam. <i>Sustainability</i> , 2017, 9, 1077.                                    | 3.2 | 15        |
| 33 | Stabilization of Gob-Side Entry with an Artificial Side for Sustaining Mining Work. <i>Sustainability</i> , 2016, 8, 627.   | 3.2 | 14        |
| 34 | The support stability mechanism in dip direction of fully mechanised working face with big dip angle considering the strike angle. <i>International Journal of Oil, Gas and Coal Technology</i> , 2015, 9, 61.            | 0.2 | 5         |
| 35 | Mechanism of Roof Shock in Longwall Coal Mining under Surface Gully. <i>Shock and Vibration</i> , 2015, 2015, 1-8.  | 0.6 | 9         |
| 36 | Mechanisms of Aquifer Protection in Underground Coal Mining. <i>Mine Water and the Environment</i> , 2015, 34, 95-104.  | 2.0 | 43        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Reduction and utilization of coal mine waste rock in China: A case study in Tiefsa coalfield. <i>Resources, Conservation and Recycling</i> , 2014, 83, 24-33.  | 10.8 | 57        |
| 38 | Mechanism of mining-induced slope movement for gullies overlaying shallow coal seams. <i>Journal of Mountain Science</i> , 2013, 10, 388-397.  | 2.0  | 28        |
| 39 | Fracture Zonation for Overlaying Strata in Underground Mining of Shallow Coal Seam. <i>Advanced Materials Research</i> , 2012, 594-597, 2607-2611.   | 0.3  | 1         |
| 40 | Clean Mining Technology of Waste Not Discharged From Coal Mine. <i>Advanced Materials Research</i> , 2012, 524-527, 552-556.   | 0.3  | 0         |
| 41 | Characteristics and stability of slope movement response to underground mining of shallow coal seams away from gullies. <i>International Journal of Mining Science and Technology</i> , 2012, 22, 47-50.                                 | 10.3 | 23        |
| 42 | Structural effect of a soft hard backfill wall in a gob-side roadway. <i>Mining Science and Technology</i> , 2011, 21, 313-318.  | 0.3  | 11        |
| 43 | Applicable conditions for a classification system of aquifer-protective mining in shallow coal seams. <i>Mining Science and Technology</i> , 2011, 21, 381-387.  | 0.3  | 3         |
| 44 | Design of comprehensive test system for detecting overlying strata mining-induced fractures on surface with radon gas. <i>Mining Science and Technology</i> , 2011, 21, 823-827.   | 0.3  | 1         |
| 45 | Suitable layout of gate roads related to slice mining in an ultra-thick unstable coal seam. <i>Mining Science and Technology</i> , 2011, 21, 563-566.  | 0.3  | 2         |
| 46 | Aquifer protection during longwall mining of shallow coal seams: A case study in the Shendong Coalfield of China. <i>International Journal of Coal Geology</i> , 2011, 86, 190-196.  | 5.0  | 137       |
| 47 | Underground pressure characteristics analysis in back-gully mining of shallow coal seam under a bedrock gully slope. <i>Mining Science and Technology</i> , 2011, 21, 23-27.   | 0.3  | 10        |
| 48 | Field trials of aquifer protection in longwall mining of shallow coal seams in China. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2010, 47, 908-914.   | 5.8  | 73        |
| 49 | Mining-induced variation in water levels in unconsolidated aquifers and mechanisms of water preservation in mines. <i>Mining Science and Technology</i> , 2010, 20, 814-819.   | 0.3  | 3         |
| 50 | Technology of groundwater reservoir construction in goafs of shallow coalfields. <i>Mining Science and Technology</i> , 2009, 19, 730-735.   | 0.3  | 10        |
| 51 | Laws and mechanisms of slope movement due to shallowly buried coal seam mining under ground gully. <i>Science in China Series A: Mathematics</i> , 2009, 15, 346-350.  | 0.2  | 7         |
| 52 | Aquifer-protective mining technique and its application in shallowly buried coal seams in Northwest of China. <i>Procedia Earth and Planetary Science</i> , 2009, 1, 60-67.  | 0.6  | 10        |
| 53 | Harmony of large-scale underground mining and surface ecological environment protection in desert district - a case study in Shendong mining area, northwest of China. <i>Procedia Earth and Planetary Science</i> , 2009, 1, 1114-1120. | 0.6  | 38        |
| 54 | Numerical simulation analysis by solid-liquid coupling with 3DEC of dynamic water cracks in overlying strata. <i>Mining Science and Technology</i> , 2008, 18, 347-352.  | 0.8  | 15        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Feasibility study on fully mechanized large mining height long wall top-coal caving mining in ultra-thick (20â€³30 m), parting-rich coal seams: A case study of the Laosangou mining field in China. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-24. | 2.3 | 2         |