REFERENCES

Arioglu E (1976), "Factors affecting the design of support systems for use in roadways associated with longwall faces in coal measure strata", University of Newcastle upon Tyne

Aydan O and Dalgic S (1998), "Prediction of deformation behaviour of 3-lanes Bolu tunnels through squeezing rocks of North Anatolian fault zone (NAFZ)", Proc: Regional Symposium on Sedimentary Rock Engineering (Taipei, 1998), pp 228–233

Badr S A (2004), "Numerical analysis of coal yield pillars at deep longwall mines", PhD Thesis, Colorado School of Mines, Golden, CO, USA.

Bai QS, Tu SH, Zhang XG, Zhang C and Yuan Y (2014), "Numerical modeling on brittle failure of coal wall in longwall face—a case study", Arab J Geosci 7:5067–5080. https://doi.org/10.1007/s12517-013-1181-1

Barczak TM (1986), "State of the art testing and analysis of mine roof support systems", In: Eastern Coal Mine Geo-mechanics, Proc: Bureau of Mines Technology Transfer Seminar (Pittsburgh, PA, November 1986, US Department. of Interior, Bureau of Mines), IC 9

Barczak TM (1990), "Selecting the Right Shield Support", Engineering and Mining Journal: 36–43

Barczak TM and Gearhart DF (1997), "Full-scale performance evaluation of mobile roof supports", Proc: 16th international conference ground control in mining, West Virginia University, Morgantown, pp 211–220

Barton N (2000), "TBM Tunneling in Jointed and Faulted Rock", (Rotterdam: Balkema)

Beckett LA (1984), "Longwall mining: a finite element study of strata behaviour and expected subsidence", USBM progress report 10054, Denver Research Centre

Bieniawski ZT (1976), "Rock mass classification in rock engineering", Proc: Symposium on Exploration for Rock Engineering (Cape Town, 1976), A.A.Balkema: 97–106

Bieniawski ZT (1978), "Determining rock mass deformability: Experience from case histories", Int J Rock Mech Min Sci 15:237–247

Bieniawski ZT (1967), "An analysis of results from underground tests aimed at determining the in situ strength of coal pillars", CSIR report MEG 569, Pretoria, South Africa, July

Bilinski A and Konopko W (1973), "Criteria for choice and use of powered supports", Proc: The Symposium on Protection against Roof Falls (Katowice, 1973), paper No. IV-1

Brown ET and Hoek E (1978), "Trends in relationships between measured in situ stresses and depth", Int J Rock Mech Min Sci 15: 211–215

Chase FE, McComas A, Mark C and Goble CD (1997), "Retreat Mining with Mobile Roof Supports", Proc: New Technology For Ground Control. IC 9446.

Coon RF and Merritt AH (1970), "Predicting in situ modulus of deformation using rock quality indices", Proc: Determination of the In-situ modulus of Deformation of Rock (ASTM STP 477, Philadelphia, 1970), pp 154–173

Coal Mines Regulation (2017), Report by the Directorate General of Mines Safety, Dhanbad, India

DGMS (2017), "The Coal Mines Regulation 2017", Ministry of Labour and Employemt Notification 27.10.2017, https://www.dgms.net/Coal%20Mines%20Regulation%202017.pdf

Evans I (1961), "The tensile strength of coal", Colliery Engineer 38: 428–434

Evans I and Pomeroy CD (1973), "The strength, fracture and workability of coal", NCB MRDE, Burton-on-Trent; 32-65

Frith RC and Kavanagh B (2000), "Optimisation of longwall mining layouts under massive strata conditions and management of the associated safety and ground control problems". ACARP Report C7019

Galav A, Sahoo SK, Singh GSP and Sharma SK (2017), "Study of Strata Behaviour in a Contiguous Seam Depillaring Working", Proc: International Conference on Deep Excavation, Energy Resources and Production. pp 1–10

Gardner WS (1987), "Design of drilled piers in the Atlantic Piedmont", Proc: Foundations and Excavations in Decomposed Rock of the Piedmont Province, (GSP ASCE, No. 9), pp 62–86

Guo W and Zhao G (2021), "Effect of overburden bending deformation and alluvium mechanical parameters on surface subsidence due to longwall mining", Bull Eng Geol Environ 80, 2751–2764 (2021). https://doi.org/10.1007/s10064-020-02091-4

Hardy MP and Agapito JFT (1975), "Pillar design in underground oil shale mines", Proc: Design Methods in Rock Mechanics: 16th US Symposium on Rock Mechanics (ASCE, 1975)

Herget G (1988), "Stresses in Rock", A. A. Balkema publications, Rotterdam

Hoek E and Brown ET (1997), "Practical estimates of rock mass strength", Int J Rock Mech Min Sci 34: 1165–1186

Holland C (1964), "The strength of coal in mine pillars", Proc: Sixth Symposium on Rock Mechanics (University of Missouri, 1964), pp 450–466

Howe L (1998), "A Decade of Mobile Roof Support Application in the United States", Proc: 17th International Conference on Ground Control in Mining, Dept. of Mining Engineering, WV Univ., Morgantown, Aug. 4-6, 1998, pp 187–201

Hsiung SM and Peng SS (1985), "Chain pillar design for US longwall panels", Min Sci Technol 2, 297-305 2: 297–305

Hsiung SM and Peng SS (1986), "Control of floor heave with proper mine design – three case studies", Min Sci Technol 4: 257–272

Industry SBOC (2004), "The regulation of leaving coal pillar and mining coal of holding under the buildings, water bodies, railways and the main roadway", Coal Industry Press, Beijing (in Chinese)

Itasca (2011), Fast Lagrangian Analysis of Continua Ver 7.0 Two Dimension, User's Guide, Minneapolis, USA

Itasca (2015), FLAC-3D Version 5.01 User's Manual, Itasca Consulting Group, Inc., Minneapolis, USA.

Jiang L, Zhang P, Chen L, Hao Z, Sainoki A, Mitri HS and Wang Q (2017), "Numerical Approach for Goaf-Side Entry Layout and Yield Pillar Design in Fractured Ground Conditions", Rock Mech Rock Eng 50: 3049–3071. https://doi.org/10.1007/s00603-017-1277-0

Ju J and Xu J (2015), "Surface stepped subsidence related to top-coal caving longwall mining of extremely thick coal seam under shallow cover", Int J Rock Mech Min Sci 78: 27–35. https://doi.org/10.1016/j.ijrmms.2015.05.003

Kripakov NP, Beckett LA, Donato DA and Durr JS (1988), "Computer assisted mine design procedures for longwall mining", United States Department of the Interior, Report of the Investigations 9172

Kumar R, Mishra AK, Singh AK, Singh AK, Ram S and Singh R (2016), "Depillaring of total thickness of a thick coal seam in single lift using cable bolts : A case study", Int J Min Sci Technol 26(2) : 223-233. https://doi.org/10.1016/j.ijmst.2015.12.007

Kumar R, Singh AK, Mishra AK and Singh R (2015), "Underground mining of thick coal seams", Int J Min Sci Technol 25(6) : 885-896. https://doi.org/10.1016/j.ijmst.2015.09.003

Li W, Bai J, Peng S, Wang X and Xu Y (2015), "Numerical Modeling for Yield Pillar Design: A Case Study", Rock Mech Rock Eng 48: 305–318. https://doi.org/10.1007/s00603-013-0539-8

Li X, Zhang G, Tao G, Wang C, Cao H, Zhao X, Yan X, Shen S and Zhou G (2022), "Ground Behaviors Analysis of a Stope Covered by the Thin Bedrock and Large-Thick Alluvium: A Case Study", Shock and Vibration, vol. 2022, Article ID 4759416, 14 pages, 2022. https://doi.org/10.1155/2022/4759416

Lind GH (2002a), "Key success elements of coal pillar extraction in New South Wales", J South African Inst Min Metall 102:199–205

Lind GH (2002b), "Coal pillar extraction experiences in New South Wales", J South African Inst Min Metall 102: 207–215

Liu W, Pang L, Xu B and Sun X (2020), "Study on overburden failure characteristics in deep thick loose seam and thick coal seam mining", Geomatics, Nat Hazards Risk 11: 632–653. https://doi.org/10.1080/19475705.2020.1737584

Liu Y, Dai H and Jiang Y (2012), "Model test for mining-induced movement law of rock and soil mass under thick unconsolidated layers", J Min Saf Eng 29: 268–272

Maleki H and Owens J (1998), "Analysis of the Interaction Between Mobile Roof Supports and Mine Strata", Proc: Fifth South American Congress on Rock Mechanics and Second Brazilian Conference in Rock Mechanics-SAR Rocks 98,. pp 287-293

Maleki H, Owens J and Endicott M (2001), "Field evaluation of Mobile Roof Support Technologies", Hamid Maleki John Owens Spokane Research Laboratory , National Institute for Occupational Safety and Health , Spokane , WA Marc Endicott

Maleki H, Owens J and Howie W (1999), "An Overview of Geomechanics Safety Research on Mobile Roof Supports In System Safety at the Dawn of a New Mellennium", Proc: 17th International System Safety Conference (Orlando, FL, Aug 16-21, 1999). System Safety Society, Unionville, VA,. pp 554–555

Mandal PK, Singh R, Maiti J, Singh AK, Kumar R and Sinha A (2008), "Underpinning-based simultaneous extraction of contiguous sections of a thick coal seam under weak and laminated parting", Int J Rock Mech Min Sci 45: 11–28. https://doi.org/10.1016/j.ijrmms.2007.03.005

Mark C (2009), "Deep Cover Pillar Recovery in the US", Proc: 28th International Conference on Ground Control in Mining, July 28-30, 2009, Morgantown, West Virginia. WV: West Virginia University, 2009: pp 1-9

Mark C and Zelanko JC (2001), "Sizing of Final Stumps for Safer Pillar Extraction", Proc: 20th Intl. Conf. On Ground Control in Mining, Morgantown, WV., pp 59–66

Medhurst TP and Reed K (2005), "Ground response curves for longwall support assessment", Inst Min Metall Trans Sect A Min Technol 114: 81-88. https://doi.org/10.1179/037178405X44575

Merwe JN Van Der (2006), "Beyond Coalbrook : what did we really", J. South. Afr. Inst. Min. Metall. 106(12): 857–868

Mishra AK, Mishra AK and Rout M (2013), "Blast-Induced Caving from Surface over Continuous Miner Panel at a 110m Cover in an Indian Mine", Arab J Sci Eng 38: 1861–1870. https://doi.org/10.1007/s13369-012-0386-z

Ministry of Coal (2021) "Coal Production", [Online]. Available: *http://www.coal.nic.in/major-statistics/production-and-supplies.*

Obert L and Duvall W I (1967), *"*Rock Mechanics and the Design of Structures in Rock*"*, (John Wiley and Sons, Inc., New York)

Pappas D and Mark C (1993), "Behavior of simulated longwall gob material", Report of investigations (United States Bureau of Mines) 1993.

Peng SS and Chiang HS (1984) "Longwall Mining" (John Wiley and Sons, Inc., New York)

Peng SS, Hsiung SM and Jiang JM (1987), "Method of Determining the Rational Load Capacity of Shield Supports at Longwall Faces", *The Mining Engineer*, October, 161-167

Peng SS and Su WH (1983), "The causes of cyclic excessive convergence at the longwall tail entry", Int J Min Eng 1: 27–41

Prakash A, Kumar N, Kumbhakar D, Singh AK and Paul A (2018), "A safe depillaring design for shallow depth of cover with influence of surface ground movements: a study in Jharia Coalfield", Arab J Geosci 11:168. https://doi.org/10.1007/s12517-018-3508-4

Prakash A, Kumar A, Verma A, Mandal SK and Singh PK (2021), "Trait of subsidence under high rate of coal extraction by longwall mining: some inferences", Sadhana - Acad Proc Eng Sci 46:216, https://doi.org/10.1007/s12046-021-01747-5

Rajmeny PK, Singh UK and Rathore SS (2004), "A new model to estimate rock mass strength accounting for the scale effect", Int J Rock Mech Min Sci 41:1013–1021

Ram S, Kumar D, Singh AK, Kumar A and Singh R (2017), "Field and numerical modelling studies for an efficient placement of roof bolts as breaker line support", Int J Rock Mech Min Sci 93: 152–162. https://doi.org/10.1016/j.ijrmms.2017.01.013

Ramamurthy T (1986), "Stability of rock masses", Indian Geomech J 16:1–74

Reed G, Mctyer K and Frith R (2017), "An assessment of coal pillar system stability criteria based on a mechanistic evaluation of the interaction between coal pillars and the overburden", Int J Min Sci Technol 27: 9–15. https://doi.org/10.1016/j.ijmst.2016.09.031

Robert H (1997), "Rock mass strength by rock mass classification", Proc: South African Rock Engineering Congress (SARES) (Johannesburg, 1997).: 346–356

Sahoo SK, Galav A, Behera B, Singh GSP and Sharma SK (2016), "Strata control monitoring in a contiguous seam depillaring working", Proc: Recent Advances in Rock Engineering, 2016. pp 348–352. https://doi.org/10.2991/rare-16.2016.55

Sainsbury BL and Sainsbury DP (2017), "Practical Use of the Ubiquitous-Joint Constitutive Model for the Simulation of Anisotropic Rock Masses", Rock Mech Rock Eng 50: 1507–1528. https://doi.org/10.1007/s00603-017-1177-3

Salamon MDG (1970), "Stability, Instability and design of pillar workings", Int J Rock Mech Min Sci Geomech Abstr Vol 7: 613–631

Salamon MDG (1990), "Mechanism of Caving in Longwall Mining", In: Rock Mechanics Contributions and Challenges

Sarkar SK (1998), "Mechanized Longwall Mining- The Indian Experiences", In: (Oxford & IBH Publishing company, New Delhi))

Sharma P, Verma AK and Gautam P (2020), "Stability analysis of underground pillar in the presence of overlying dump : a case study", Arab J Geosciences 13: 217

Sheorey PR (1997), "Empirical Rock Failure Criteria", (A.A. Balkema, Rotterdam Netherlands)

Sheorey PR (1994), "A Theory for In Situ Stresses in Isotropic and Transversely Isotropic Rock", Int J Rock Mech Min Sci Geomech Abstr Vol 31: 23–34

Sheorey PR, Mohan GM and Sinha A (2001), "Influence of elastic constants on the horizontal in situ stress", Int J Rock Mech Min Sci Geomech Abstr 38: 1211–1216

Sheorey PR and Singh B (1988), "Case Studies of Depillaring under special strata and mining' conditions", Proc: 7th International conference on the Ground Control in Mining

SIMRAC 2000 (2006), "Numerical modeling of mine workings" (2nd Edition), Report of CSIR Division of Mining Technology

Singh AK, Singh R, Maiti J, Kumar R and Mandal PK (2011a), "Assessment of mining induced stress development over coal pillars during depillaring", Int J Rock Mech Min Sci 48: 805–818. https://doi.org/10.1016/j.ijrmms.2011.04.004

Singh GSP (2004a), "Development of a model for cavability assessment in longwall panels in India", MTech Thesis, Department of Mining Engineering, Indian School of Mines, Dhanbad

Singh GSP and Singh UK (2011), "Assessment of goaf characteristics and compaction in longwall caving", Trans Institutions Min Metall Sect A Min Technol 120: 222–232. https://doi.org/10.1179/1743286311Y.0000000010

Singh GSP and Singh UK (2010), "Prediction of caving behavior of strata and optimum rating of hydraulic powered support for longwall workings", Int J Rock Mech Min Sci 47: 1–16. https://doi.org/10.1016/j.ijrmms.2009.09.001

Singh GSP and Singh UK (2009a), "A numerical modeling approach for assessment of progressive caving of strata and performance of hydraulic powered support in longwall workings", Comput Geotech 36: 1142–1156. https://doi.org/10.1016/j.compgeo.2009.05.001

Singh GSP and Singh UK (2009b), "Numerical modeling study of the effect of some critical parameters on caving behavior of strata and support performance in a longwall working", Rock Mech Rock Eng 43: 475–489. https://doi.org/10.1007/s00603-009-0061-1

Singh R (2004b), "Staggered development of a thick coal seam for full height working in a single lift by the blasting gallery method", Int J Rock Mech Min Sci 41: 745–759. https://doi.org/10.1016/j.ijrmms.2004.01.008

Singh R and Dhar BB (1996), "Coal pillar loading in shallow mining conditions", Int J Rock Mech Min Sci 33: 757–768. https://doi.org/10.1016/s0148-9062(96)00036-8

Singh R, Mandal PK, Singh AK, Kumar R and Sinha A (2011b), "Coal pillar extraction at deep cover: With special reference to Indian coalfields", Int J Coal Geol 86: 276–288. https://doi.org/10.1016/j.coal.2011.03.003

Singh R, Ram S, Singh AK, Prasad S and Buragohain J (2004), "Underground extraction of contiguous coal seams/sections consisting thin parting: A case study", J South African Inst Min Metall 104: 17–27

Singh R, Singh AK, Maiti J, Mandal PK, Singh R and Kumar R (2011c), "An observational approach for assessment of dynamic loading during underground coal pillar extraction", Int J Rock Mech Min Sci 48: 794–804. https://doi.org/10.1016/j.ijrmms.2011.04.003

Singh R, Singh SK, Kushwaha A and Sinha A (2012), "Stability of the parting between coal pillar workings in level contiguous seams during depillaring", Int J Rock Mech Min Sci 55: 1–14. https://doi.org/10.1016/j.ijrmms.2012.06.004

Singh SK, Agrawal H and Singh AP (2017), "Rib stability: A way forward for safe coal extraction in India", Int J Min Sci Technol 27: 1087–1091. https://doi.org/10.1016/j.ijmst.2017.06.007

Singh TN and Dubey BK (1993), "Scope of Bhuggatdih Method of Mining for Thick Coal Seams", Proc: Workshop on Wide Stall Mining of Coal Seams under Constraints. Central Mining Fuel Research Institute, Dhanbad. 18

Singh TN and Singh B (1979), "Design of support system in caved longwall faces", Proc: Colloquium on Longwall Face Supports, (Dhanbad, 1979), pp 79–85

Singh TN and Singh B (1982), "Design Criteria of Face Supports", Proc: Symposium on State of the Art of Ground Control in Longwall Mining and Mining Subsidence (Organized by Society of Mining Engineers, New York, 1982), pp 145–150

Singh UK (2006), "Self Advancing Mobile Goaf Edge Support", pp 1-4. Online: www.allindianpatents.com/patents/244784-a-device-for-goaf-edge-support-to-protect-roof-of-mines

Smart BGD and Aziz N (1986), "The influence of caving in th Hirst and Bulli Seams on powered support ratings", Proc: Ground Movement and Control related to Coal Mining Symposium, Wollongong, pp 182–193

Smart BGD, Metcalfe K and McGraw WM (1989), "A new approach to the specification of powered supports", Proc: International Strata Control Conference (Düsseldorf, May 1989), pp 279–295

Sonmez H, Gokceoglu C, Nefeslioglu HA and Kayabasi A (2005), "Estimation of rock modulus: for intact rocks with an artificial neural network and for rock masses with a new empirical equation", Int J Rock Mech Min Sci 43(2): 224-235

Tang DHY and Peng SS (1986), "Causes and mechanisms of surface fractures in a Central West Virginia Coal Mine", Min Sci Technol 4: 41–48

Thompson R and Frederick J (1986), "Design and Field Testing of Mobile Roof Support for Retreat Mining", Proc: 5th Conference on Ground Control in Mining, Dept. of Mining Engineering, WV Univ., Morgantown, June 11- 13, 1986, pp 73–78

Trueman R (1988), "An evaluation of new techniques of gate road support", PhD Thesis, University of Wales, Cardiff

Tsiambaos G and Sabatakakis N (2004), "Considerations on strength of intact sedimentary rocks", Eng Geol 72: 261–273

Vujec S, Dunda S, Hrzenjak P and Kujundzic T (2003), "Excavation of natural stone in Croatia", Proc: 19th World Mining Congress, Mining in the 21st Century-Quo Vadis, (New Delhi, November), pp 609–619

Wang F, Jiang B, Chen S and Ren M (2019a), "Surface collapse control under thick unconsolidated layers by backfilling strip mining in coal mines", Int J Rock Mech Min Sci 113: 268–277. https://doi.org/10.1016/j.ijrmms.2018.11.006

Wang F, Xu J and Xie J (2019b), "Effects of arch structure in unconsolidated layers on fracture and failure of overlying strata", Int J Rock Mech Min Sci 114: 141–152. https://doi.org/10.1016/j.ijrmms.2018.12.016

Wang M, Bai J, Li W, Wang S and Cao S (2015), "Failure mechanism and control of deep gob-side entry", Arab J Geosci 8: 9117–9131. https://doi.org/10.1007/s12517-015-1904-6

Wang SR, Wu XG, Zhao YH, Hagan P and Cao C (2019c), "Evolution characteristics of composite pressure-arch in thin bedrock of overlying strata during shallow coal mining", Int J Appl Mech 11(3). https://doi.org/10.1142/S1758825119500303

Wang W, Jiang T, Wang Z and Ren M (2017), "A analytical model for cover stress reestablishment in the goaf after longwall caving mining", J South African Inst Min Metall 117: 671–683. https://doi.org/10.17159/2411-9717/2017/v117n7a9

Whittaker, B. N. (1974) An appraisal of strata control practice. Min. Engr, 134: 9–24.

Wilson AH (1981), "Stress, stability in coal ribsides and pillars", Proc: First Conference on Ground Control in Mining, Morgantown, pp 1–12

Wilson AH (1980), "The stability of underground workings in the soft rocks of the coal measures", PhD Thesis. University of Nottingham, UK

Wilson AH (1983), "The stability of underground workings in the soft rocks of the Coal Measures", Int J Min Eng 1: 91–187

Wilson HG (1991), "Mobile Roof Support for Retreat Mining", Proc: 10th International Conference on Ground Control in Mining, Dept. of Mining Engineering, WV Univ., Morgantown, June 10-12, 1991, pp 103–114

Wu Y, Huang Z, Li XZ and Jiang CL (2020), "Deformation and Failure Characteristics of Overburden Under Thin Bedrock and Thick Alluvium : A Case Study in Baodian Coal Mine", Geotech Geol Eng 8. https://doi.org/10.1007/s10706-020-01357-8

www.rocscience.com/downloads/phase2/webhelp/phase2_model/strength_parameters.htm, December 2006

Xu Z, Li Q and Li X (2020), "Overburden Migration and Failure Characteristics in Mining Shallow Buried Coal Seam with Thick Loose Layer", Advances in Materials Science and Engineering, vol. 2020, Article ID 9024751, 12 pages. https://doi.org/10.1155/2020/9024751

Yang W and Xia X (2013), "Prediction of mining subsidence under thin bedrocks and thick unconsolidated layers based on field measurement and artificial neural networks", Comput Geosci 52:199–203. https://doi.org/10.1016/j.cageo.2012.10.017

Yang W and Xia X (2018), "Study on mining failure law of the weak and weathered composite roof in thin bedrock working face", J Geophys Eng 15 : 2370-2377

Yavuz H (2004), "An estimation method for cover pressure re-establishment distance and pressure distribution in the goaf of longwall coal mines", Int J Rock Mech Min Sci 41:193–205. https://doi.org/10.1016/S1365-1609(03)00082-0

Yudhbir LW and Prinzl F (1983), "An empirical failure criterion for rock masses", Proc: Fifth International Congress of Rock Mechanics (ISRM), pp B1–B8

Zhang C (2019), "The Height and Scope of Overburden Fractured Zone of Thick Coal Seam Based on Different Gob Behavior for a Case Coal Mine in China", Geotech Geol Eng 37:3299–3311. https://doi.org/10.1007/s10706-019-00845-w

Zhang GC, He FL, Jia HG and Lai YH (2017), "Analysis of Gateroad Stability in Relation to Yield Pillar Size: A Case Study", Rock Mech Rock Eng 50:1263–1278. https://doi.org/10.1007/s00603-016-1155-1

Zhang G, Liang S, Tan Y, Xie F, Chen S and Jia H (2018), "Numerical modeling for longwall pillar design: A case study from a typical longwall panel in China", J Geophys Eng 15:121–134. https://doi.org/10.1088/1742-2140/aa9ca4

Zhang G, Zhang W, Wang C, Zhu G and Li B (2016), "Mining Thick Coal Seams Under Thin Bedrock–Deformation and Failure of Overlying Strata and Alluvium", Geotech Geol Eng 34:1553–1563. https://doi.org/10.1007/s10706-016-0061-3

Zhang L and Einstein HH (2004), "Using RQD to estimate the deformation modulus of rock masses", Int J Rock Mech Min Sci 41: 337–341

Zhang Z, Bai J, Chen Y and Yan S (2015), "An innovative approach for gob-side entry retaining in highly gassy fully-mechanized longwall top-coal caving", Int J Rock Mech Min Sci 80: 1–11. https://doi.org/10.1016/j.ijrmms.2015.09.001

Zhao G, Guo W and Li X (2019), "Mechanical Properties of Mega-Thick Alluvium and Their Influence on the Surface Subsidence", Geotech Geol Eng 38: 137–149. https://doi.org/10.1007/s10706-019-01003-y

Zhou DW, Wu K, Cheng GL and Li L (2015), "Mechanism of mining subsidence in coal mining area with thick alluvium soil in China", Arab J Geosci 8: 1855–1867. https://doi.org/10.1007/s12517-014-1382-2

Zhu S, Feng Y and Jiang F (2016), "Determination of Abutment Pressure in Coal Mines with Extremely Thick Alluvium Stratum : A Typical Kind of Rockburst Mines in China", Rock Mech Rock Eng 49: 1943–1952. https://doi.org/10.1007/s00603-015-0868-x

Zhu X, Zhang W, Wang Z, Wang C, Li W and Wang C (2020), "Simulation Analysis of Influencing Factors of Subsidence Based on Mining under Huge Loose Strata : A Case Study of Heze Mining Are, China", Geofluids:Vol. 2020, ArticleID 6357683, 17 pages, 2020. https://doi.org/10.1155/2020/6357683

Zipf RK and Mark C (1997), "Design Methods to control violent pillar failures in room-and-pillar mines", Trans Inst Min Metall Sect A: Min Ind, 106:A124-A132

Zoback ML (1992), "First- and second-order patterns of stress in the lithosphere: The World Stress Map Project", J Geophys Res 97(B8) : 11761–11782

LIST OF PUBLICATIONS

Sahoo SK, Singh GSP, Sharma SK, Singh UK (2020a), "Numerical Modeling Study of the Influence of Softcover on Strata and Support Behavior in a Bord and Pillar Depillaring Working", Mining, Metallurgy and Exploration 37:1151–1168. https://doi.org/10.1007/s42461-020-00246-1

Sahoo SK, Behera B, Yadav A, Singh GSP, Sharma SK (2020b), "Plane-Strain Modeling of Progressive Goaf Compaction in a Depillaring Working", Journal of Institution of Engineers: Series D 101:233–245. https://doi.org/10.1007/s40033-020-00233-2