

DAFTAR PUSTAKA

- Ahamed, S.F. *et al.*, 2006, Carbonate Flow Characteristics and Log Response for Effective Reservoir Management Miocene Carbonates, the Gulf of Suez, Egypt, Canadian Institute of Mining, Metallurgy & Petroleum.
- Ahr, W.M., 2008, *Geology of Carbonate Reservoirs: The Identification, Description, and Characterization of Hydrocarbon Reservoirs in Carbonate Rocks*, A John Wiley & Sons, Inc., Publication.
- Ahr, W.M., 2008, *Geology of Carbonate Reservoirs: the Identification, Description, and Characterization of Hydrocarbon Reservoirs in Carbonate Rocks*, John Wiley & Sons, Inc.
- Aki, K., Richards, P.G., 2009, *Quantitative Seismology*, University Science Books Mill Valley, California.
- Al-Farisi *et al.*, 2013, Carbonate Rock Type Matrix, the Ultimate Rock Properties Catalogue, International Petroleum Technology Conference.
- Al-Farisi, O., *et al.*, 2013, *Carbonate Rock Type Matrix, the Ultimate Rock Properties Catalogue*, International Petroleum Technology Conference.
- Alsadi, H.N., 2017, *Seismic Hydrocarbon Exploration*, Springer International Publishing Switzerland.
- Aminzadeh, F., Dasgupta, S.N., 2013, *Fundamentals of Petroleum Geophysics*, Developments in Petroleum Science Volume 60, 2013, Pages 37-92.
- An empirical study*, CREWES Research Report Volume 19.
- Anderson, P.F., Lines, L.R., 2008, *A comparison of inversion techniques for estimating Vp/Vs from 3D seismic data*, CREWES Research Report Volume 20.
- Anderson, R.L., *et al.*, 2010, *Clay swelling — A challenge in the oilfield*, Earth-Science Reviews, Elsevier.

- Ardhana, W., 1993, *A Depositional Model for the Early Middle Miocene Ngrayong Formation and Implications for Exploration in the East Java Basin*, Indonesian Petroleum Association, 22nd Annual Convention.
- Artun, E., et al, 2005, *Reservoir Characterization Using Intelligent Seismic Inversion*, Society of Petroleum Engineers.
- Artun, et al., 2005, *Reservoir Characterization Using Intelligent Seismic Inversion*, SPE 98012.
- Asquith, G., Gibson, C., 1993, *Basic Well Log Analysis for Geologist*, The American Association of Petroleum Geologist.
- Avseth, P., et al, 2007, *Integrating Statistical Rock Physics and Sedimentology for Quantitative Seismic Interpretation*, Geophysical Monograph Series 171.
- Avseth, P., Lehoccki, I., 2016, *Combining burial history and rock-physics modeling to constrain AVO analysis during exploration*, The Leading Edge June.
- Avseth, P., Mukerji, T., Mavko, G., 2005, *Quantitative Seismic Interpretation: Applying Rock Physics Tools to Reduce Interpretation Risk*, Cambridge University Press.
- Avseth, P., Veggeland, T., 2015, *Seismic screening of rock stiffness and fluid softening using rock-physics attributes*, Interpretation: November.
- Azeem, T., et al, 2017, *An integrated petrophysical and rock physics analysis to improve reservoir characterization of Cretaceous sand intervals in Middle Indus Basin, Pakistan*, J. Geophys. Eng. 14 (2017) 212–225.
- Back, W., Hanshaw, B.B., Pyle, T.E., Plummer, L.N., Weidie, A.E., 1979, *Geochemical significance of groundwater discharge and carbonate solution to the formation of Caleta Xel Ha, Quintana Roo, Mexico*, Water Resour. Res., 15:1521-1535.
- Baillie, P.W., et al, 2004, *Geological development of eastern Indonesia and the northern Australia collision zone: A review*.

- Batzle, M. L., and Wang, Z., 1992, *Seismic properties of pore fluids*, Geophysics, 64, 1396-1408.
- Benito, M.I., *et al*, 2001, *Discrimination of multiple episodes of meteoric diagenesis in a Kimmeridgian reefal complex, North Iberian range, Spain*, Journal Sediment Res, 380-393.
- Biot, M.A., 1956, *Theory of propagation of elastic waves in a fluid saturated porous solid. I. Low frequency range; II. High-frequency range*, Journal of Acoustical Society of America, v. 28, p. 168–191.
- Bisasco, I., 2011, *Calibration of Seismic and Well Data: Towards Improved Quantitative Seismic Reservoir Characterisation of the Triassic to Middle-Jurassic Gullfaks Reservoir Units of the northern North Sea*, Department of Earth Science, University of Bergen.
- Bjørlykke, K., 2010, *Petroleum Geoscience: From Sedimentary Environments to Rock Physics*, Springer.
- Boggs, S., 2005, *Principle of Sedimentology and Stratigraphy*, Pearson Prentice Hall.
- Boruah, N., 2010, *Rock Physics Template (RPT) Analysis of Well Logs for Lithology and Fluid Classification*, 8th Biennial International Conference and Exposition on Petroleum Geophysics, India.
- Box, R., Lowrey, P., 2003, *Reconciling sonic logs with check-shot surveys: Stretching synthetic seismograms*, The Leading Edge: June.
- Brandsen, P.J.E., Matthews, S.J., 1992, *Structural and Stratigraphic Evolution of the East Java Sea, Indonesia*, Proceedings Indonesian Petroleum Association 12st Annual Convention.
- Burgess, P.M., Winefield, P., Minzoni, M., Elders, C., 2013, *Methods for identification of isolated carbonate buildups from seismic reflection data*, AAPG Bulletin, v. 97, no. 7 (July 2013).

- Burianyk, M., 2000, *Amplitude vs Offset and Seismic Rock Property Analysis: A Primer*, CSEG Recorder: November.
- Carter *et al.*, 2005, *Interpretation Methods in the Exploration of Oligocene-Miocene Carbonate Reservoirs, Offshore Northwest Madura, Indonesia*, Proceedings Indonesian Petroleum Association 30th Annual Convention & Exhibition.
- Castagna, J.P., Batzle, M.L., Eastwood, R.L., 1985, *Relationships between compressional-wave and shear-wave velocities in elastic silicate rocks*, Geophysics Vol. 50, No. 4.
- Castagna, J.P., Swan, H.W., Foster, D.J., 1998, *Framework for AVO gradient and intercept interpretation*, Geophysics, Vol. 63, No. 3.
- Cataldo, R.A., Leite, E.P., *Simultaneous prestack seismic inversion in a carbonate reservoir*, REM, Int. Eng. J., Ouro Preto, 71(1), 45-51, jan. mar.
- Chi, X., Han, D., 2009, *Lithology and fluid differentiation using rock physics template*, The Leading Edge January 2009.
- Chiburis, E., *et al*, 1993, *Hydrocarbon Detection with AVO*, Oil Field Review: January.
- Chilingar, G.V., Terry, R.D., 1964, *Relationship between porosity and chemical composition of carbonate rocks*, Petrol. Engr B-54, 341-2.
- Chopra, S., Marfurt, K.J., 2007, *Seismic Attributes for Prospect Identification and Reservoir Characterization*, SEG Geophysical Developments Series No. 11.
- Choquette, P.W., Pray, L.C., 1970, *Geologic Nomenclature and Classification of Porosity in Sedimentary Carbonates*, The American Association of Petroleum Geologists Bulletin V. 54, No. 2.
- Clements, B., Hall, R., 2007, *Cretaceous To Late Miocene Stratigraphic and Tectonic Evolution of West Java*, Indonesian Petroleum Association 31st Annual Convention and Exhibition.

- Cooke, D.A., Schneider, W.A., 1983, *Generalized linear inversion of reflection seismic data*, Geophysics. Vol. 4.
- Craft, C., 1973, *Direct detection of hydrocarbon*, 58th Annual AAPG Meeting Anaheim, May.
- Cui, *et al.*, 2018, *Seismic Forward Modeling of Fractures and Fractured Medium Inversion*, Springer Geophysics.
- Dalimunthe, I., Barus, P.A., Wood, J.J., Ekaniggraini, F., 2008, *Fluid Substitution as an AVO Calibration for Quantifying Uncertainty of Gas Presence in Late Miocene Binio Sandstone, Kampar Area, Central Sumatra Basin*, Proceedings Indonesia Petroleum Association 32nd Annual Convention and Exhibition.
- David, C., Ravalec-Dupin, M.L., *Rock Physics and Geomechanics in the Study of Reservoirs and Repositories*, The Geological Society of London.
- Davidson, J.W., 1991. *The geology and prospectivity of Buton Island, Southeast Sulawesi, Indonesia*. Indonesian Petroleum Association, Proceedings 20th Annual Convention, 209-234.
- Davis, J.L., 1988, *Wave Propagation in Solids and Fluids*, Springer.
- Davis, R., 1990, *Geochemical study of outcrop samples, oil seeps, and gas seeps from various locations in Northwest and Southwest Sulawesi, Indonesia*, Internal report prepared for British Petroleum Development Ltd.
- Dey, A.K., Stewart, R.R., 1997, *Predicting Density using Vs and Gardner's Relationship*, CREWES Research Report.
- Dimri, V.P., Srivastava, R.P., Vendati, N., 2012, *Handbook of Geophysical Exploration*, Elsevier, Netherland.
- Downton, J.E., Russell, B.H., Lines, L.R., 2000, *AVO for managers: pitfalls and solutions*, CREWES Research Report Volume 12.
- Durrani, M.Z.A *et al.*, 2014, *Rational Rock Physics for Improved Velocity Prediction and Reservoir Properties Estimation for Granite Wash (Tight*

Sands) in Anadarko Basin, Texas, International Journal of Geophysics
Volume 2014.

Durrani, Z.A., 2017, *Best Rock Physics Strategies in Reservoir Characterization:
A Case Study from Lower Indus Basin of Pakistan*, Pakistan Petroleum
Limited (PPL).

Durrant, M.Z.A, *et al.*, 2014, *Rational Rock Physics for Improved Velocity
Prediction and Reservoir Properties Estimation for Granite Wash (Tight
Sands) in Anadarko Basin, Texas*, International Journal of Geophysics
Volume 2014.

Dyrnes, H.H., 2012, *Quantitative Analyzes of Seismic Inversion in Terms of
Acquisition and Interpretation, Example from Southwest Haltenbanken Area
in the Norwegian Continental Shelf*, Norwegian University of Science and
Technology.

Eberli, G.P., *et al.*, 2003, *Factors controlling elastic properties in carbonate
sediments and rocks*, The Leading Edge: July.

Ehrenberg, S.N., Nadeau, P.H., 2005, *Sandstone vs. Carbonate Petroleum
Reservoirs: A Global Perspective on Porosity-Depth and Porosity-
Permeability Relationships*. AAPG Bulletin, v. 89, no. 4 (April 2005), pp.
435–445.

Ehrenberg, S.N., Nadeau, P.H., 2005, *Sandstone vs. carbonate petroleum
reservoirs: A global perspective on porosity-depth and porosity-permeability
relationships*, AAPG Bulletin, Vol. 89, No.4.

Eissa, M.A., Castagna, J.P., Leaver, A., 2003, *AVO detection of gas-producing
dolomite trends in nonproducing limestone*, The Leading Edge May 2003.

Esteban, M., Klappa, C.F., 1983, *Subaerial Exposure Environment*, the American
Association of Petroleum Geologist.

Fatti, J.L., *et al.*, 1994, *Detection of gas in sandstone reservoirs using AVO analysis:
A 3-D seismic case history using the Geostack technique*, Geophysics, Vol.
59.

- Feng, H., Bancroft, J.C., 2006, *AVO principles, processing and inversion*, CREWES Research Report Volume 18.
- Folk, R.L., 1965, *Some aspects of recrystallization in ancient limestone*. In: Dolomitization and Limestone Diagenesis, a Symposium (Eds L.C. Pray and R.C. Murray).
- Fossen, H., 2010, *Structural Geology*, Cambridge University Press.
- Gallant, E.R. *et al*, 1996, *New technologies in marine seismic surveying: Overview and physical modelling experiments*, CREWES Research Report Volume 8.
- Gardner, G.H.F., Gardner, L.W., Gregory, A.R., 1974, *Formation Velocity and Density-The Diagnostic Basics for Stratigraphic Traps*, Geophysics, Vol. 39, No. 6.
- Gassmann, F., 1951, Über die elastizität poröser medien: Vierteljahrsschrift der Naturforschenden Gesellschaft in Zurich, 96, 1-23. Versi Bahasa Inggris dapat diakses melalui <http://sepwww.stanford.edu/sep/berryman/PS/gassmann.pdf>.
- Gregor, T., *et al*, 2014, *Elastic properties and fluid substitution in carbonate rocks from experimental velocity data and pore shape analysis*, Workshop “The Sound of Geology”, CIPR, Norway.
- Gregory, A.R., 1977, *Aspect of Rock Physics from Laboratory and Log Data that are Important to Seismic Interpretation*, The American Association of Petroleum Geologist.
- Grobe, H., Willkom, H., Wefer, G., 1985, *Internal Structure and Origin of the Double Reefs of North Bohol and the Olango Reef Flat*, The Philippine Scientist · January.
- Guntoro, T., Putri, I., Bahri, A.S., 2013, *Petrophysical Relationship to Predict Synthetic Porosity Log*, AAPG.
- Gupta, S.D., Chatterjee, R., Farooqui, M.Y., 2012, *Rock physics template (RPT) analysis of well logs and seismic data for lithology and fluid classification in*

Cambay Basin, International Journal Earth Science (Geol Rundsch)
101:1407–1426.

Hall, R., 1995, *Plate Tectonic Reconstructions of the Indonesian Region*, Indonesian Petroleum Association 24th Annual Convention.

Hall, R., 2009, *Indonesia, Geology*, Royal Holloway University of London.

Hall, R., 2014, *Indonesian Tectonics: Subduction, Extension, Provenance, and More*, Proceeding Indonesian Petroleum Association, 38th Annual Convention and Exhibition.

Hall, R., *et al*, 2007, *A New Interpretation of Java's Structure*, Indonesian Petroleum Association 31st Annual Convention and Exhibition.

Hall, R., Hattum, M.W.A., Spakman, W., 2008, *Impact of India–Asia collision on SE Asia: The record in Borneo*, Tectonophysics 451.

Hamada, G.M., 2007, *Vp / Vs Identify Reservoir Fluids Type*, the Offshore Mediterranean Conference and Exhibition in Ravenna, Italy.

Hamilton, W., 1979, *Tectonics of the Indonesian Region*, U.S Geological Survey Professional Paper.

Hampson, D., Russell, B., 2005, *Simultaneous Inversion of Pre-stack Seismic Data*, CSEG National Convention.

Hampson-Russell, 2011, *Hampson-Russell Software Data Conditioning Workflow*, Houston Texas.

Han, D., Batzle, M., 2000, *Velocity, Density and Modulus of Hydrocarbon Fluids Data Measurement*, SEG.

Han, De-hua, and Batzle, M. L., 2004, *Gassmann's equation and fluid-saturation effects on seismic velocities*, Geophysics, 69, 398-405.

Hanshaw, B.B., BACK, W., DEIKE, R.G., 1971, *A geochemical hypothesis for dolomitization by ground water*. Econ. Geol. 66, 7 10-724.

- Harris, P.M., Christopher, G., Kendall, C., Lerche, I., 1985, *Carbonate Cementation: A Brief Review*, Society of Economic Paleontologists and Mineralogists (SEPM).
- Hill, R., 1952, *The elastic behavior of a crystalline aggregate*, Proc. Phys. Soc. London Ser. A, 65, 349-354.
- Hoskin, C.M., 1966, *Coral pinnacle cementation, Alacran Reef Lagoon, Mexico*. Journal Sedim. Petrol. 41, 1026-1037.
- Hutchison, C.S., 1973, *Tectonic Evolution of Sundaland: A Phanerozoic Synthesis*, Geol. Soc. Malaysia, Bulletin 6, July.
- Inyang, C.B., 2009, *AVO Analysis and Impedance Inversion for Fluid Prediction in Hoover Field, Gulf of Mexico*, Department of Earth and Atmospheric Sciences University of Houston.
- James, N.P., Choquette, P.W., 1984, *Diagenesis 9. Limestones - the meteoric diagenetic environment*, Geoscience Canada, v. 1 1, p. 161 - 194.
- Jerez, J.R.D.C., 2003, *An AVO Method Toward Direct Detection of Lithologies Combining P-P and P-S Reflection Data*, the Office of Graduate Studies of Texas A&M University.
- Ketner, K.B., *et al.*, 1976, *Pre-Eocene rocks of Java, Indonesia*, US Geol. Survey Journal of Research 4, 605-614.
- Kiessling, W., Flüger, E., Golonka, J., 2003, *Patter of Phanerozoic carbonate platform sedimentation*, Lethaia, Vol. 36, pp. 195-226.
- Kittridge, M.G., 2012, *Templates lead to improves interpretation*, Pmag.com.
- Knapp, R.W., Hedke, D.E., Anderson, N.L., *unknown*, *Amplitude Variation with Offset*, Kansas Geological Survey: Bulletin 237.
- Krief, M., Garat, J., Stellingwerff, J., Ventre, J., 1990, *A Petrophysical Interpretation Using the Velocities of P and S Waves (Full-Waveform Sonic), The Log Analyst*.

- Kumar, D., 2006, *A Tutorial on Gassmann Fluid Substitution: Formulation, Algorithm and Matlab Code*, Chevron Energy Technology Company, California.
- Kumar, M., Han, D., 2005, *Pore Shape Effect on Elastic Properties of Carbonate Rocks*, SEG/Houston 2005 Annual Meeting.
- Kuster, G.T., Toksöz, M.N., 1974, *Velocity and attenuation of seismic waves in two-phase media. Part I. Theoretical formulations*, Geophysics, v. 39, p. 587–606.
- Lamont, M.G., Thompson, T.A., Bacelacqua, C., 2008, *Drilling Success As A Result of Probabilistic Lithology and Fluid Prediction A Case Study in the Carnarvon Basin, WA*, APPEA Journal.
- Land, L.S., Moore, C.H., 1980, *Lithification, micritization, dan syndepositional diagenesis of biolithites on the Jamaican island slope*, Journal Sedimentology and Petrology, 50: 365-369.
- Latimer, R.B., Davison, R., Riel, P.V., 2000, *An interpreter's guide to understanding and working with seismic-derived acoustic impedance data*, The Leading Edge: March.
- Leki, L., Darke, K., Borges, Y.A., 2015, *A Comparison Between Time Domain Inversion and Depth Domain Inversion to Acoustic Impedance*, SEG New Orleans Annual Meeting.
- Li, P., Mukerji, T., 2014, *Sensitivity Analysis of Pre-stack Seismic Inversion on Facies Classification using Statistical Rock Physics*, Stanford University.
- Li, Y., Goodway, B., Downton J., 2003, *Recent Advances in Application of AVO to Carbonate Reservoirs*, CSEG RECORDER March.
- Lines, L.R., Newrick, R.T., 2004, *Fundamentals of Geophysical Interpretation*, Tulsa, Oklahoma: Society of Exploration Geophysicists Publication.
- Liu, E., *et al*, 2009, *Carbonate Rock Physics Issues*, International Petroleum Technology Conference.

- Long, A.L., Anderson, R.C., *unknown*, *Amplitude Versus Offset (AVO) Analysis*, Berrong Enterprises Ltd. Houston, Texas, U.S.A.
- Lønøy, A., 2006, *Making Sense of Carbonate Pore Systems*, AAPG Bulletin, v. 90, no. 9 (September 2006), pp. 1381–1405.
- Lucaa, D.M., *et al*, 2014, *Seismic Inversion and AVO Analysis Applied to Predictive-Modeling Gas-Condensate Sands for Exploration and Early Production in the Lower Magdalena Basin, Colombia*, The Leading Edge July 2014.
- Lucia, F.J., 2007, *Carbonate Reservoir Characterization: An Integrated Approach*, Springer.
- Machel, H.G., 2003, *Dolomites and dolomitization*, in Middleton, G.M., M.J. Church, M. Conglio, L. A. Hardie, dan F.S. Longstaffe (eds), *Encyclopedia of Sediments and Sedimentary Rocks*: Kluwer, Dordrecht, pp. 234-234.
- Mahob, P.N., Castagna, J.P., 2003, *AVO polarization and hodograms: AVO strength and polarization product*, Geophysics, Vol. 68, No. 3.
- Mallick, S., 2001, *AVO and Elastic Impedance*, The Leading Edge.
- Manger, E., 1963, *Porosity and Bulk Density of Sedimentary Rocks*, Geological Survey Bulletin 1144-E.
- Manur, H., and Barraclough, R., 1994. *Structural control on hydrocarbon habitat in the Bawean Area, East Java Sea*, IPA Proceedings 23rd Annual Convention, p. 129-144.
- Margrave, G.F., 2006, *Methods of seismic data processing: Geophysics 557 course notes*, University of Calgary.
- Maulana, T., 2016, *Quantitative Seismic Interpretation Using Rock Physics Templates - Case Examples from the Zumba Field*, Norwegian University of Science and Technology.

- Maulin *et al.*, 2012, *Structural Reactivation and its Implication on Exploration Play: Case Study Of Js-1 Ridge*, Proceedings Indonesian Petroleum Association 36th Annual Convention & Exhibition.
- Maulin *et al.*, 2016, *JS-1 RIDGE: Exploration in Ancient Melange Basement High*, Geosea XIV Congress and 45th IAGI Annual Convention.
- Mavko, G., Mukerji, T., Dvorkin, J., 2009, *The Rock Physics Handbook: Tools for Seismic Analysis of Porous Media*, Cambridge University Press.
- Mavko, G., *unknown*, *Conceptual Overview of Rock and Fluid Factors that Impact Seismic Velocity and Impedance*, Stanford Rock Physics Laboratory.
- Menke, W., 1989, *Geophysical Data Analysis: Discrete Inverse Theory*, International Geophysics Series Vol. 45.
- Metcalf, I., 2009. *Late Palaeozoic and Mesozoic tectonic and palaeogeographic evolution of SE Asia*. The Geological Society, London, pp. 7–23.
- Miarso, T., Rantau, J., Kurniawan, R., Saputra, R., 2018, *Petrol Elastic Model (PEM) and Rock Physics Template (RPT) Carbonate Reef Reservoir in East Java Basin, Case Study*, PHE WMO.
- Middle East Well Evaluation Review, 1997, *Carbonates the Inside Story*.
- Miles *et al*, *unknown*, *Detection of Hydrocarbons in Carbonate Lithological Packages Using Amplitude Versus Offset Inversion of Seismic Data: A Case History from Alberta, Canada*.
- Miller, S.L.M, 1992, *Well Log Analysis of Vp And Vs in Carbonates*, CREWES Research Report Volume 4.
- Miller, S.L.M., Stewart, R.R., *unknown*, *The relationship between elastic-wave velocities and density in sedimentary rocks: A proposal*.
- Misaghi, A *et al.*, 2010, *A Comparison of Rock Physics Models For Fluid Substitution in Carbonate Rocks*, Exploration Geophysics, 2010, 41, 146–154.

- Moore, C.H., 1989, *Carbonate Diagenesis and Porosity*, Developments in Sedimentology, Vol. 46, Amsterdam, Elsevier, 46-338.
- Moore, C.H., Wade, W.J., 2013, *Carbonate Reservoirs, Porosity and Diagenesis in a Sequence Stratigraphic Framework*, Elsevier, Netherland.
- Morse, J.W., Mackenzie, F.T., 1990, *Geochemistry of Sedimentary Carbonates*, Elsevier.
- Mudjiono, R., Pireno, G.E., 2002, Exploration of the North Madura Platform, Offshore East Java, Indonesia, Indonesian Petroleum Association 28th Annual Convention & Exhibition.
- Myung, W.L., 2008, *Comparison of the Modified Biot-Gassmann Theory and the Kuster-Toksöz Theory in Predicting Elastic Velocities of Sediments*, Scientific Investigations Report 2008–5196, U.S. Geological Survey.
- Nichols, G., 2009, *Sedimentology and Stratigraphy*, A John Wiley & Sons, Ltd., Publication.
- Niu, L., Geng, J., Wu, X., 2018, *Linearized AVO Inversion with Modified Aki-Richards' Approximation*, 80th EAGE Conference & Exhibition, Copenhagen, Denmark.
- O'Connell, R.J., Budiansky, B., 1974, *Seismic Velocities in Dry and Saturated Cracked Solids*, Journal of Geophysical Research.
- Oladapo, M.I., 2013, *Linearization of Zoeppritz equations and practical utilization*, International Journal of Physical Sciences.
- Painter, S., Beresford, G., Paterson, L., 1995, *On the distribution of seismic reflection coefficients and seismic amplitudes*, Geophysics, Vol. 60, No. 4.
- Palmer, T.J., Hudson, J.D. and Wilson, M.A., 1988. *Paleoecological evidence for early aragonite dissolution in ancient calcite seas*. Nature, 335: 809-8 IO.
- Parker, A., Sellwood, B.W., 1992, *Quantitative Diagenesis: Recent Developments and Applications to Reservoir Geology*, Postgraduate Research Institute for Sedimentology, University of Reading, U.K.

- Payton, C.E., 1997, *Seismic Stratigraphy: Application to Hydrocarbon Exploration*, The American Association Of Petroleum Geologists.
- Pendrel, J.V., 2015, *Low Frequency Models for Inversions –Is Simple Better?*, GeoConvention 2015: New Horizons.
- Pluijm, B.A.V.D., Marshak, S., 2004, *Earth Structure: An Introduction to Structural Geology and Tectonics*, W. W. Norton & Company, Inc.
- Potter, C.C., Stewart, R.R., 1998, *Density Predictions using Vp and Vs Sonic Logs*, CREWES Research Report.
- Purdy, E.G., 1965, *Diagenesis of marine carbonate sediment*. In: Dolomitization and Limestone Diagenesis, a Symposium (Eds L.C. Pray and R.C. Murray).
- Rafavich, F., Kendall, C.H.St.C., Todd, T.P., 1984, *The relationship between acoustic properties and the petrographic character of carbonate rocks*, Geophysics, Vol. 49.
- Rahman, M.U., Hayat, M., Alizai, F.A., 2016, *Diagenetic Setting, Dolomitization and Reservoir Characterization of Late Cretaceous Kawagarh Formation, Khanpur Dam section, Hazara, Pakistan*, Int. j. econ. environ. geol. Vol:7(2)64-79.
- Rider, M., 2000, *the Geological Interpretation of Well Logs*, Rider-French Consulting Ltd.
- Robert, E., Sherif, M.S., 1980, *Seismic Stratigraphy*.
- Russell, B.H., 1988, *Introduction to Seismic Inversion Methods*, Society of Exploration Geophysics.
- Russell, B.H., 2014, *Prestack seismic amplitude analysis: An integrated overview*, Interpretation: May.
- Russell, B.H., Gray, D., Hampson, D.P., Lines, L.R., 2006, *Linearized AVO and poroelasticity*, CREWES Research Report, Volume 18.
- Russell, B.H., Hampson, D., 1991, *Comparison of Poststack Seismic Inversion Methods*, Hampson-Russell Software Services Ltd., Canada.

- Russell, B.H., Hampson, D.P., Hirsche, K., Peron, Janusz, 2005, *Joint simultaneous inversion of PP and PS angle gathers*, CREWES Research Report Volume 17.
- Russell, B.H., Smith, T., 2007, *the relationship between dry rock bulk modulus and porosity –*
- Sain, R., et al, 2008, *Carbonate rock physics: geophysical and petrophysical pore types of carbonate rocks from an offshore carbonate field*, SEG Las Vegas Annual Meeting.
- Sams, M., Saussus, D., 2013, *Practical implications of low frequency model selection on quantitative interpretation results*, Ikon Science.
- Satyana, A., 2002, *Oligo-Miocene Reefs: East Java's Giant Fields*, Indonesian Association of Geologists (IAGI).
- Satyana, A., 2003, *Accretion and Dispersion of Southeast Sundaland: The Growing and Slivering of A Continent*, Proceedings of Joint Convention Jakarta, HAGI Annual Convention and Exhibition.
- Satyana, A., 2006, *Post-collisional Tectonic Escapes in Indonesia: Fashioning the Cenozoic History*, Proceedings PIT IAGI Riau.
- Satyana, A., 2015, *Subvolcanic Hydrocarbon Prospectivity of Java: Opportunities and Challenges*, IPA 39th Annual Convention & Exhibition.
- Satyana, A., Purwaningsih, M.E.M., 2002, *Lekukan Struktur Jawa Tengah: Suatu Segmentasi Sesar Mendatar*, Indonesian Association of Geologists (IAGI).
- Schlumberger, 2007, *Carbonate Reservoirs*.
- Schlumberger, 2009, *Log Interpretation Charts*.
- Schmidt, D., et al, 2014, *Seismic Data Preconditioning for Improved Reservoir Characterization (Inversion and Fracture Analysis)*, Search and Discovery Article #41347.
- Schön, J., 2015, *Basic Well Logging and Formation Evaluation*, bookboon.com

- Selley, R.C., 1976, *An Introduction to Sedimentology*, Academic Press.
- Setiawan, D., Marianto, F.D., Driperkasa, D., 2017, *Compressional Tectonic Influence to the Structural Configuration and its Contribution to the Petroleum System on the Northern Platform of East Java Basin*, Proceedings, Indonesian Petroleum Association 41st Annual Convention & Exhibition.
- Shearer, P.M., 2010, *Introduction to Seismology: The wave equation and body waves*, Institute of Geophysics and Planetary Physics, University of California, San Diego.
- Sherrif, R.E., Geldart, L.P., 1995, *Exploration Seismology*, Cambridge University Press.
- Shinn, E.A., Robin, D.M., 1983, *Mechanical and chemical compaction in fine-grained shallow-water limestone*, Journal of Sedimentation Petrology, v. 53, p. 595-618.
- Shuey, R.T., 1985, *A simplification of the Zoeppritz equations*, Geophysics. Vol. 50, No. 4.
- Silver, E.A., Mccaffrey, R., Smith, R.B., 1983, *Collision, rotation and the initiation of subduction in the evolution of Sulawesi, Indonesia*. Journal of Geophysical Research, 88, 9407-9418.
- Simm, R., Bacon, M., 2014, *Seismic Amplitude: An Interpreter's Handbook*, Cambridge University Press.
- Simmons, J.L., Backus, M.M., 1996, *Waveform-based AVO inversion and AVO prediction-error*, Geophysics, Vol. 61, No. 6.
- Singleton, S., 2009, *The effects of seismic data conditioning on prestack simultaneous impedance inversion*, The Leading Edge: June.
- Skirius, C., et al, 1999, *3-D seismic attributes applied to carbonates*, The Leading Edge: March.

- Smyth, H., Hall, R., Hamilton, J., Kinny, P., 2005, East Java: Cenozoic Basins, Volcanoes and Ancient Basement, Indonesian Petroleum Association 30th Annual Convention & Exhibition.
- Socquet, A., *et al*, 2006, *Microblock rotations and fault coupling in SE Asia triple junction (Sulawesi, Indonesia) from GPS and earthquake slip vector data*, Journal of Geophysical Research, Vol. 111.
- Šperl, J., Trčková, J., 2008, *Permeability and Porosity of Rocks and Their Relationship Based on Laboratory Testing*, Institute of Rock Structure and Mechanics, Academy of Science of the Czech Republic.
- Sribudiyani, *et al.*, 2003, *The Collision of The East Java Microplate and Its Implication for Hydrocarbon Occurrences in The East Java Basin*, Proceedings Indonesian Petroleum Association 29th Annual Convention & Exhibition.
- Stoessell, R.K., Moore, C.H., 1983, *Chemical constraints and origins of four groups of Gulf Coast reservoir fluids*. Bull. Amer. Assoc. Petrol. Geol. 67, 896-906.
- Sukmono, S., 1999, *Seismik Stratigrafi*, Intitut Teknologi Bandung.
- Susilohadi, 1995, *Late Tertiary and Quaternary Geology of the East Java Basin, Indonesia*, The University of Wollongong, New South Wales, Australia.
- Tatham, R.H., Stoffa, P.L., 1976, *Vp/Vs - A Potential Hydrocarbon Indicator*, Geophysics, Vol. 41, No. 5.
- Tebo, J.M., Hart, B.S., *unknown*, *3-D Seismic Attribute Study For Reservoir Characterization Of Carbonate Buildups Using A Volume-Based Method*, McGill University, Montreal.
- Thatam, R.H., 1982, *Vp/Vs and lithology*, Geophysics. Vol. 47, No. 3.
- Thompson, *et al.*, *unknown*, *Fit to Purpose Seismic Reservoir Characterization*, DownUnder GeoSolution.

- Toksöz, M.N., Cheng, C.H., Timur, A., 1976, *Velocities of seismic waves in porous rocks*, Geophysics, v. 41, p. 621–645.
- Tucker, M.E., Wright, V.P., Dickson, J.A.D., 1990, *Carbonate Sedimentology*, Blackwell Science Ltd.
- Vahrenkamp, V.C., Swart, P.K., 1994, *Late Cenozoic of the Bahamas: metastable analogues for the genesis of ancient platform dolomites*, Spec. Publs Int. Ass. Sediment. 133-153.
- Van Oort, E., Halem A.H., Mody, F.K., 1996, *Transport in shale and the design of improved water-based shale drilling fluids*, SPE Annual Technical Conference and Exhibition, New Orleans.
- Vanorio, T., Ebert, Y., Husseiny, A.E., 2012, *Challenges and Current Advances in the Rock Physics of Carbonate Rocks*, Search and Discovery Article #120094.
- Veeken, P.C.H., 2007, *Seismic Stratigraphy, Basin Analysis and Reservoir Characterization*, Elsevier, Netherland.
- Vetrici, D.G., Stewart, R.R., 1996, *3-D seismic attributes*, CREWES Research Report Volume 8.
- Vincentilli, M.G.C., Contreas, S.A.C., Chaves, M.U., 2014, *Geophysical Characterization of Albian Carbonates Reservoirs in Brazilian Basins: The Sweetness as a Tool for Carbonate Reservoirs Definition*, Revista Brasileira de Geofísica (2014) 32(4): 695-705.
- Wang, J., Dopkin, D., 2008, *Visualization, Analysis, and Interpretation of Seismic Attributes for Characterizing a Carbonate Reservoir*, 7th International Conference and Exposition on Petroleum Geophysics.
- Wang, Y., 1999, *Approximations to the Zoeppritz equations and their use in AVO analysis*, Geophysics, Vol. 64, No. 6.
- Wang, Z., 2001, *Fundamentals of seismic rock physics*, Geophysics, 66, 398-412.
- Waters, K.D., Kemper, M.A.C., 2014, *Find the rocks and the fluids will follow — AVO as a tool for lithology classification*, Interpretation: May.

- Welker-Haddock, M., Park, R.K., Asjhari, I., Bradfield, J., and Nguyen, B., 2001, *The transformation of Poleng Field*, Indonesian Petroleum Association, 28th Annual Convention, v. 1, p. 681-698.
- Wilson, J.L., 2012, *Carbonate Depositional Environments and Diagenesis*, Geophysical Developments Series, No.6, Society of Exploration Geophysicists.
- Wilson, M.J., Wilson, L., 2014, *Clay mineralogy and shale instability: an alternative conceptual analysis*, The Mineralogical Society.
- Wu, X., et al, unknown, *Quantitative gas saturation estimation by frequency-dependent AVO analysis*.
- Xu, Shiyu, White, R.E., 1996, *A physical model for shear wave velocity prediction*, Geophysical Prospecting, v. 44, p. 487-717.
- Yilmaz, O., 1986, *Seismic Data Processing*, Society of Exploration Geophysicist.
- Zhu, X., and McMechan, G. A., 1990, *Direct estimation of the bulk modulus of the frame in fluid saturated elastic medium by Biot theory*, 60th Ann. Internat. Mtg., Soc. Expl. Geophys., Expanded Abstract, 787-790.