

# Azra N Tutuncu

## List of Publications by Year in descending order

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36  
papers

745  
citations

840776

11  
h-index

839539

18  
g-index

36  
all docs

36  
docs citations

36  
times ranked

558  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear viscoelastic behavior of sedimentary rocks, Part I: Effect of frequency and strain amplitude. <i>Geophysics</i> , 1998, 63, 184-194.	2.6	134
2	Nonlinear viscoelastic behavior of sedimentary rocks, Part II: Hysteresis effects and influence of type of fluid on elastic moduli. <i>Geophysics</i> , 1998, 63, 195-203.	2.6	90
3	The influence of fluids on grain contact stiffness and frame moduli in sedimentary rocks. <i>Geophysics</i> , 1992, 57, 1571-1582.	2.6	87
4	Characterization of anisotropy in the permeability of organic-rich shales. <i>Journal of Petroleum Science and Engineering</i> , 2015, 133, 496-506.	4.2	74
5	Stress-Dependent Permeability Anisotropy and Wettability of Shale Resources. , 2013, , .		47
6	An experimental investigation of factors influencing compressional and shear wave velocities and attenuations in tight gas sandstones. <i>Geophysics</i> , 1994, 59, 77-86.	2.6	42
7	Grain contact adhesion hysteresis: A mechanism for attenuation of seismic waves. <i>Geophysical Research Letters</i> , 1994, 21, 2323-2326.	4.0	42
8	Impact of laminations and natural fractures on rock failure in Brazilian experiments: A case study on Green River and Niobrara formations. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 36, 79-86.	4.4	33
9	Tensile Failure of Shales: Impacts of Layering and Natural Fractures. , 2014, , .		32
10	Characterization of Elastic Anisotropy in Eagle Ford Shale: Impact of Heterogeneity and Measurement Scale. <i>SPE Reservoir Evaluation and Engineering</i> , 2016, 19, 429-439.	1.8	27
11	Hydraulic Fracturing and Production Optimization in Eagle Ford Shale Using Coupled Geomechanics and Fluid Flow Model. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 3361-3378.	5.4	17
12	Impacts of Stress, Natural and Induced Fractures on Mechanical Properties of Organic-Rich Shales. , 2013, , .		16
13	Contribution of osmotic transport on oil recovery from rock matrix in unconventional reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2017, 157, 392-408.	4.2	14
14	On the Mechanisms of Shale Microfracture Propagation. , 2014, , .		12
15	Effect of capillary condensation on geomechanical and acoustic properties of shale formations. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 1213-1221.	4.4	12
16	Modeling the swelling of shale matrix in unconventional reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2018, 165, 596-615.	4.2	9
17	Coupling Geomechanics and Petrophysical Measurements for Production Enhancement in Organic-Rich Shales. , 2016, , .		8
18	Interfacial tension induced-transport in shale: A pore-scale study. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 1409-1419.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Stress-Dependent Permeability and Dynamic Elastic Moduli of Reservoir and Seal Shale. , 2016, , .		7
20	Experimental Investigation of Coupled Geomechanical, Acoustic, and Permeability Characterization of Berea Sandstone Using a Novel True Triaxial Assembly. Rock Mechanics and Rock Engineering, 2019, 52, 2491-2503.	5.4	7
21	Integrated wellbore-quality and risk-assessment study guides successful drilling in Amazon jungle. Geophysics, 2006, 71, E99-E105.	2.6	5
22	An Integrated Study for Hydraulic Fracture and Natural Fracture Interactions and Refracturing in Shale Reservoirs. , 2018, , 323-348.		4
23	Environmental challenges in fracturing of unconventional resources. The Leading Edge, 2012, 31, 898-906.	0.7	3
24	Intrinsic anisotropy in fracture permeability. Interpretation, 2015, 3, ST43-ST53.	1.1	3
25	Evaluation of Multistage Hydraulic Fracturing Techniques for Production Optimization in Naturally Fractured Reservoirs Using Coupled Geomechanics Fracture and Flow Model. , 2016, , .		2
26	Introduction to Selected Contributions from the 50th US Rock Mechanics/Geomechanics Symposium Held in Houston, Texas, from June 26 to 29, 2016. Rock Mechanics and Rock Engineering, 2017, 50, 3271-3271.	5.4	2
27	Comparative Laboratory Scale Reservoir Study on Geomechanical Property Alterations Arising from Osmosis Pressure Distribution Within Clay Rich Shales. , 2019, , .		2
28	Environmental challenges of gas and oil shale stimulation. , 2011, , .		2
29	Rock-Fluid Interaction Impact on Geomechanical and Acoustic Properties in Shale Reservoirs: Anisotropic Grain Contact Adhesion Model. , 2014, , .		1
30	Fracture Permeability of Activated Calcite Veins to Water and Gas. , 2018, , .		1
31	An experimental investigation of the role of pore fluids on the nonlinear hysteretic behavior of Berea Sandstone. , 1995, , .		1
32	Influence of Anisotropic Stress and Formation Property Use in Wellbore Stability Analysis and Field Development Plans: A Case Study for West Kazakhstan Field. , 2012, , .		1
33	Grain contact adhesion hysteresis: A mechanism for attenuation of seismic waves in sedimentary granular media. , 1994, , .		0
34	A discussion on possible mechanisms of nonlinear hysteretic behavior in sedimentary granular rocks: Grain contact adhesion versus stick-slip sliding. , 1995, , .		0
35	Impact of Surface Forces on Coupled Flow, Acoustic and Geomechanical Characteristics in Shale Reservoirs. World Scientific Series in Nanoscience and Nanotechnology, 2015, , 53-65.	0.1	0
36	Effect of strain amplitude and frequency on compressional and shear wave velocities and amplitudes in sandstones. , 1994, , .		0