

ROLE OF NANOTECHNOLOGY IN ENERGY AND ENVIRONMENT
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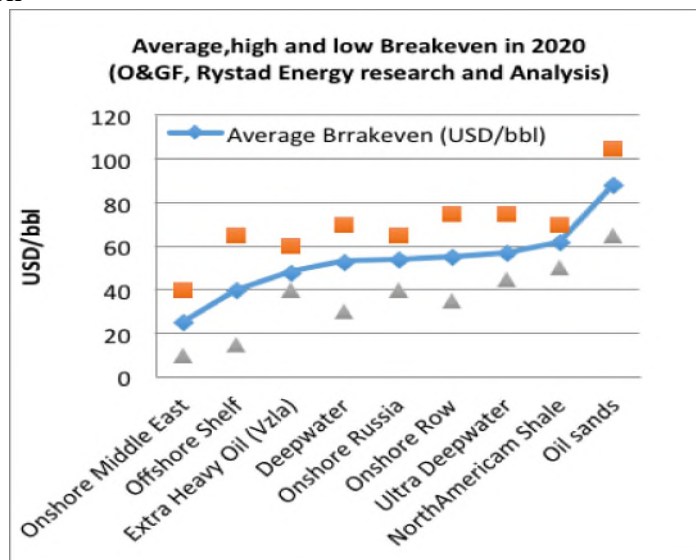
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Outlines

- Introduction “the big picture”
- Dr. Nassar Group for Nanotechnology Research
- Asphaltenes and its problems
- How nano can play roles
- Samples of our findings
- Acknowledgments

Current situation



Conclusion

- Stone Age: humans learned to fashion tools from rocks
- Bronze Age: humans learned to smelt copper
- Iron Age: humans learned to forge iron and steels
- Information Age: humans learned to purify silicon
- **Nano Age**
- _____: humans learned to make and manipulate nano-scale materials