

# Ngoc A. Nguyen

R&D Staff Scientist

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## Research Interest

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• Additive Manufacture (Fused Deposition Modelling or 3D printing) • Stimuli responsive (shape memory and self-healing) materials • Nanotechnology • Coating and surface behavior • Rheology and processing of polymer solutions and melts and suspensions • Polymer Crystallization • Self-assembly and plastic solar cells.

## Education

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- Ph.D., Materials Science and Engineering, University of Delaware (2016)
- M.S. Chemical Engineering, Hanoi University of Science and Technology, Vietnam (2006)
- B.S. Chemical and Printing Engineering, Hanoi University of Science and Technology, Vietnam (2004)

## Professional Experience

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- R&D Staff Scientist, Chemical Sciences Division, Oak Ridge National Lab (2019- Present)
- Post-doctoral Research Fellow at Oak Ridge National Lab (2016- 2018)
- Lecturer at Hanoi University of Science and Technology, Vietnam (2006- 2010)
- Chemical Engineer at Tan Long Ltd., a representative of Dainippon Screen Japan (2004 – 2006)

## Publications Summary

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Google scholar: citations 1218, h-index 16

<https://scholar.google.com/citations?user=oO5UpbsAAAAJ&hl=en&oi=sra>

Research publications were featured in the news such as *the EurekAlert*, *3D-printing and 3D-printing industry*, *Editor's Choice*, *On the inside front cover*, *Materials View*, *Nature Chemistry's Altmetric Top*, *Science Daily*, *Chemistry Views*, *Daily Tech*, and *Department of Energy- Oak Ridge National Laboratory*.

**Publications:** 41 (18 first/ co-first author papers).

Published in highly-ranked journals such as *Nature Chemistry*, *Science Advances*, *Advanced Materials*, *ACS Macro Letters*, *Macromolecules*, *Polymer Chemistry*, *Nanoscale*, and *Applied Materials Today*, *ChemSusChem*, *ACS Sustainable Chemistry & Engineering*, and *ACS Applied Materials & Interfaces*.

**Conference Presentations:** 38 (28 first author presentations).

**Patents:** 6 (pending) including 5 from [Oak Ridge National Laboratory](#) and 1 from [University of Delaware](#).

## Selected Honors/Awards

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- *Outstanding Postdoctoral Award*, Oak Ridge National Lab, UT- Battelle, Award Night 2018.
- *Best Paper Award*, CAMX- The Composites and Advanced Materials Expo, 2017
- *SM & MSEG Poster Award for Soft Materials*, University of Delaware, 2016
- *Outstanding Graduate student Research Award*, University of Delaware, 2015
- *SoR Travel Grant*, the 87th Annual Meeting of the Society of Rheology, 2015
- *President of Material Advantage student chapter*, University of Delaware, 2015
- *Outstanding Graduate Student Teaching Award*, University of Delaware, 2014
- *Poster Award Winner*, Delaware Valley, North American Thermal Analysis Society, 2014
- *Materials in Art Contest Award*, University of Delaware, 2014
- *Professional Development Award*, Graduate and Professional Education, University of Delaware, 2014
- *American Conference on Neutron Scattering (ACNS), Travel Grant*, ACNS 2014
- *NIST Summer School (only 35 graduate students from North American institutions were selected)*, The U.S. National Institute of Standards and Technology, 2013
- *Vietnamese Government Fellowship*, 2010-2012

**Reviewer for Journal of Applied Polymer Science- Wiley, Journal of Material Cycles and Waste Management- Springer, Polymers Journal, and Sensors Journal.**