

Materials List for:

## Planar and Three-Dimensional Printing of Conductive Inks

Bok Yeop Ahn<sup>1</sup>, Steven B. Walker<sup>1</sup>, Scott C. Slimmer<sup>1</sup>, Analisa Russo<sup>1</sup>, Ashley Gupta<sup>1</sup>, Steve Kranz<sup>1</sup>, Eric B. Duoss<sup>1,2</sup>, Thomas F. Malkowski<sup>1,3</sup>, Jennifer A. Lewis<sup>1</sup>

<sup>1</sup>Department of Materials Science and Engineering, University of Illinois at Urbana-Champaign

<sup>2</sup>Center for Micro- and Nanotechnology, Lawrence Livermore National Laboratory

<sup>3</sup>Presently at the Interdisciplinary Center for Wide Band-gap Semiconductors, University Of California Santa Barbara

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### Materials

Name	Company	Catalog Number	Comments
Poly(acrylic acid)	Polysciences, Inc.	06519	m.w. 5,000 g/mol
Poly(acrylic acid)	Polysciences, Inc.	00627	m.w. 50,000 g/mol
Silver nitrate	Sigma-Aldrich	209139	Silver source
Diethanolamine	Sigma-Aldrich	D8885	Solvent/Reducing agent
Ethylene glycol	Sigma-Aldrich	102466	Humectant
Sonicator	Fisher Scientific	FS30H	-
Centrifuge	Beckman Coulter Inc.	Avanti™ J-25 I	-
Robotic stage	Aerotech Inc.	ABL 900010	3-axis motion
Syringe barrel	EFD Inc.	5109LBP-B	3 ml
Nozzle	EFD Inc.	-	i.d. = 0.1 - 250 μm
Dispenser	EFD Inc.	800	Air-powered
Design software	Custom Made	-	Mingjie Xu