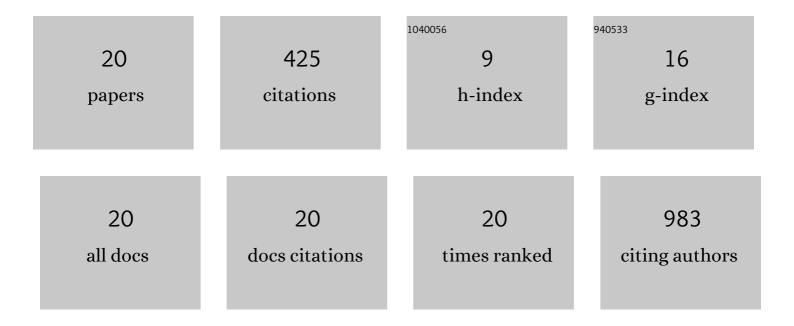
## Babak Dastmalchi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A New Perspective on Plasmonics: Confinement and Propagation Length of Surface Plasmons for Different Materials and Geometries. Advanced Optical Materials, 2016, 4, 177-184.	7.3	107
2	Graphene as an Electron Shuttle for Silver Deoxidation: Removing a Key Barrier to Plasmonics and Metamaterials for SERS in the Visible. Advanced Functional Materials, 2014, 24, 1864-1878.	14.9	85
3	Single and multilayer metamaterials fabricated by nanoimprint lithography. Nanotechnology, 2011, 22, 325301.	2.6	65
4	Ellipsometry as a Nondestructive Depth Profiling Tool for Roll-to-Roll Manufactured Flexible Solar Cells. Journal of Physical Chemistry C, 2011, 115, 10817-10822.	3.1	39
5	Strong group-velocity dispersion compensation with phase-engineered sheet metamaterials. Physical Review B, 2014, 89, .	3.2	28
6	Optical activity in sub-wavelength metallic grids and fishnet metamaterials in the conical mount. Optical Materials Express, 2013, 3, 439.	3.0	18
7	Determining the internal quantum efficiency of organic Bulk Heterojunctions based on mono and bis–adduct fullerenes as acceptor. Solar Energy Materials and Solar Cells, 2011, 95, 3093-3098.	6.2	17
8	Oblique incidence ellipsometric characterization and the substrate dependence of visible frequency fishnet metamaterials. Optics Express, 2012, 20, 11166.	3.4	15
9	Enhancing Chemical and Optical Stability of Silver Nanostructures by Low-Temperature Hydrogen Atoms Processing. Journal of Physical Chemistry C, 2012, 116, 23004-23012.	3.1	15
10	What is a good conductor for metamaterials or plasmonics. Nanophotonics, 2015, 4, 69-74.	6.0	9
11	Method of calculating local dispersion in arbitrary photonic crystal waveguides. Optics Letters, 2007, 32, 2915.	3.3	8
12	LOCAL DISPERSION OF GUIDING MODES IN PHOTONIC CRYSTAL WAVEGUIDE INTERFACES AND HETERO-STRUCTURES. Progress in Electromagnetics Research B, 2010, 26, 39-52.	1.0	6
13	Discontinuous design of negative index metamaterials based on mode hybridization. Applied Physics Letters, 2012, 101, 081913.	3.3	5
14	Optical Pattern Switching in Semiconductor Microresonators as All-Optical Switch. ETRI Journal, 2009, 31, 593-597.	2.0	3
15	Polarization-dependent optical excitation of gap plasmon polaritons through rectangular hole arrays. Applied Physics Letters, 2015, 106, .	3.3	3
16	Effect of Interface energy and electron transfer on shape, plasmon resonance and SERS activity of supported surfactant-free gold nanoparticles. RSC Advances, 2014, 4, 29660.	3.6	2
17	Optical patterns control in semiconductor microresonators in a far-field case. , 2006, 6352, 642.		0
18	Study of local dispersion in photonic crystal waveguide interfaces and hetero-structures. , 2008, , .		0

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#	Article	IF	CITATIONS
19	Design and simulation of multi-functional layer double negative fishnet metamaterial at optical communication wavelength. , 2012, , .		Ο

20 Surface plasmon polaritons and negative refraction in fishnet metamaterial. , 2014, , .

3