

# Zarina Aspanut

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

256  
citations

840776

11  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties and crystallinity of hydrogenated nanocrystalline silicon (nc-Si:H) thin films deposited by rf-PECVD. <i>Vacuum</i> , 2012, 86, 1195-1202.	3.5	42
2	Annealing effect on the structural and optical properties of embedded Au nanoparticles in silicon suboxide films. <i>Vacuum</i> , 2012, 86, 1367-1372.	3.5	25
3	Synthesis of indium-catalyzed Si nanowires by hot-wire chemical vapor deposition. <i>Materials Letters</i> , 2011, 65, 2452-2454.	2.6	24
4	Effect of rf power on the growth of silicon nanowires by hot-wire assisted plasma enhanced chemical vapor deposition (HW-PECVD) technique. <i>Thin Solid Films</i> , 2011, 519, 4933-4939.	1.8	19
5	Effect of substrate temperature on gold-catalyzed silicon nanostructures growth by hot-wire chemical vapor deposition (HWCVD). <i>Applied Surface Science</i> , 2011, 257, 3320-3324.	6.1	16
6	Structural and photoluminescence investigation on the hot-wire assisted plasma enhanced chemical vapor deposition growth silicon nanowires. <i>Journal of Luminescence</i> , 2012, 132, 1345-1352.	3.1	16
7	Structural and optical properties of nc-Si:H thin films deposited by layer-by-layer technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 286-296.	2.2	16
8	Hydrodynamic Chromatography of Silica Colloids on Small Spherical Nonporous Silica Particles. <i>Analytical Sciences</i> , 2009, 25, 301-306.	1.6	15
9	Light-scattering and turbidimetric detection of silica colloids in size-exclusion chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 353-359.	3.7	13
10	Radial growth of slanting-columnar nanocrystalline Si on Si nanowires. <i>Chemical Physics Letters</i> , 2011, 515, 68-71.	2.6	13
11	Silicon nanostructures fabricated by Au and SiH <sub>4</sub> co-deposition technique using hot-wire chemical vapor deposition. <i>Thin Solid Films</i> , 2011, 520, 74-78.	1.8	12
12	Effects of post-thermal annealing temperature on the optical and structural properties of gold particles on silicon suboxide films. <i>Applied Surface Science</i> , 2011, 257, 2208-2213.	6.1	9
13	Formation of gold nanoparticles in silicon suboxide films prepared by plasma enhanced chemical vapour deposition. <i>Thin Solid Films</i> , 2011, 519, 4952-4957.	1.8	8
14	Effect of rapid thermal annealing time on Au/SiO <sub>x</sub> film prepared by hot wire assisted plasma enhanced chemical vapour deposition technique. <i>Materials Chemistry and Physics</i> , 2013, 140, 37-41.	4.0	7
15	Growth of Si-based core-shell nanowires through gases decomposition reactions with tunable morphologies, compositions, and electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5597-5612.	2.2	6
16	Au/nc-Si:H core-shell nanostructures prepared by hot wire assisted plasma enhanced chemical vapor deposition technique. <i>Surface and Coatings Technology</i> , 2013, 231, 394-398.	4.8	5
17	Formation of Silicon/Carbon Core-Shell Nanowires Using Carbon Nitride Nanorods Template and Gold Catalyst. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	2.7	5
18	Light-scattering detection with a fluorimetric detector in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1147, 42-45.	3.7	3

#	ARTICLE	IF	CITATIONS
19	Effect of Rapid Thermal Annealing Time on the Structural and Optical Properties of Layered Structured SiO <sub>2</sub> /Au/SiO <sub>2</sub> Film. Advanced Materials Research, 0, 501, 221-225.	0.3	2
20	Influence of Nitrogen-Methane Ratio on the Properties of Hydrogenated Amorphous Carbon Nitride Deposited by r.f. PECVD Technique. , 2009, , .		0