Adem YÄ±ldÄ±rÄ±m

List of Publications by Year
in descending order

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40 papers	1,697 citations	279701 23 h-index	315616 38 g-index
40 all docs	40 docs citations	40 times ranked	2893 citing authors

#	Article	IF	Citations
1	Turn-on Fluorescent Dopamine Sensing Based on in Situ Formation of Visible Light Emitting Polydopamine Nanoparticles. Analytical Chemistry, 2014, 86, 5508-5512.	3.2	211
2	Highly Transparent, Flexible, and Thermally Stable Superhydrophobic ORMOSIL Aerogel Thin Films. ACS Applied Materials & Interfaces, 2011, 3, 539-545.	4.0	191
3	Impact of mesoporous silica nanoparticle surface functionality on hemolytic activity, thrombogenicity and non-specific protein adsorption. Journal of Materials Chemistry B, 2013, 1, 1909.	2.9	157
4	Robust Cassie State of Wetting in Transparent Superhydrophobic Coatings. ACS Applied Materials & Interfaces, 2014, 6, 9680-9688.	4.0	91
5	Formation of Pyrene Excimers in Mesoporous Ormosil Thin Films for Visual Detection of Nitro-explosives. ACS Applied Materials & Interfaces, 2014, 6, 4997-5004.	4.0	73
6	Superhydrophobic and Omnidirectional Antireflective Surfaces from Nanostructured Ormosil Colloids. ACS Applied Materials & Interfaces, 2013, 5, 853-860.	4.0	70
7	Stable Encapsulation of Air in Mesoporous Silica Nanoparticles: Fluorocarbonâ€Free Nanoscale Ultrasound Contrast Agents. Advanced Healthcare Materials, 2016, 5, 1290-1298.	3.9	61
8	One-Pot Preparation of Fluorinated Mesoporous Silica Nanoparticles for Liquid Marble Formation and Superhydrophobic Surfaces. ACS Applied Materials & Interfaces, 2011, 3, 1804-1808.	4.0	56
9	Understanding Acoustic Cavitation Initiation by Porous Nanoparticles: Toward Nanoscale Agents for Ultrasound Imaging and Therapy. Chemistry of Materials, 2016, 28, 5962-5972.	3.2	56
10	Pluronic polymer capped biocompatible mesoporous silica nanocarriers. Chemical Communications, 2013, 49, 9782.	2.2	50
11	Self-assembled gold nanostarâ€“NaYF₄:Yb/Er clusters for multimodal imaging, photothermal and photodynamic therapy. Journal of Materials Chemistry B, 2016, 4, 4455-4461.	2.9	50
12	Nanoparticle-Mediated Acoustic Cavitation Enables High Intensity Focused Ultrasound Ablation Without Tissue Heating. ACS Applied Materials & Interfaces, 2018, 10, 36786-36795.	4.0	48
13	Flexible and mechanically stable antireflective coatings from nanoporous organically modified silica colloids. Journal of Materials Chemistry, 2012, 22, 9671.	6.7	46
14	Surface Textured Polymer Fibers for Microfluidics. Advanced Functional Materials, 2014, 24, 4569-4576.	7.8	45
15	Colloids, nanoparticles, and materials for imaging, delivery, ablation, and theranostics by focused ultrasound (FUS). Theranostics, 2019, 9, 2572-2594.	4.6	42
16	Template-Directed Synthesis of Silica Nanotubes for Explosive Detection. ACS Applied Materials & Interfaces, 2011, 3, 4159-4164.	4.0	36
17	A porosity difference based selective dissolution strategy to prepare shape-tailored hollow mesoporous silica nanoparticles. Journal of Materials Chemistry A, 2015, 3, 3839-3846.	5.2	36
18	Nanoparticles Formed by Acoustic Destruction of Microbubbles and Their Utilization for Imaging and Effects on Therapy by High Intensity Focused Ultrasound. Theranostics, 2017, 7, 694-702.	4.6	36

#	Article	IF	Citations
19	Template-Free Synthesis of Organically Modified Silica Mesoporous Thin Films for TNT Sensing. ACS Applied Materials & Interfaces, 2010, 2, 2892-2897.	4.0	33
20	Bioinspired Optoelectronic Nose with Nanostructured Wavelengthâ€Scalable Hollowâ€Core Infrared Fibers. Advanced Materials, 2011, 23, 1263-1267.	11.1	32
21	Template free preparation of nanoporous organically modified silica thin films on flexible substrates. Journal of Materials Chemistry, 2011, 21, 14830.	6.7	31
22	Phospholipid Capped Mesoporous Nanoparticles for Targeted High Intensity Focused Ultrasound Ablation. Advanced Healthcare Materials, 2017, 6, 1700514.	3.9	31
23	Phase behavior of mixed lipid monolayers on perfluorocarbon nanoemulsions and its effect on acoustic contrast. RSC Advances, 2016, 6, 111318-111325.	1.7	24
24	Smelling in Chemically Complex Environments: An Optofluidic Bragg Fiber Array for Differentiation of Methanol Adulterated Beverages. Analytical Chemistry, 2013, 85, 6384-6391.	3.2	23
25	Nanoconfinement of pyrene in mesostructured silica nanoparticles for trace detection of TNT in the aqueous phase. Nanoscale, 2014, 6, 15203-15209.	2.8	21
26	Noncovalent functionalization of mesoporous silica nanoparticles with amphiphilic peptides. Journal of Materials Chemistry B, 2014, 2, 2168-2174.	2.9	20
27	Depolymerizable Poly(O-vinyl carbamate-alt-sulfones) as Customizable Macromolecular Scaffolds for Mucosal Drug Delivery. ACS Macro Letters, 2016, 5, 636-640.	2.3	17
28	Gas-Stabilizing Sub-100 nm Mesoporous Silica Nanoparticles for Ultrasound Theranostics. ACS Omega, 2020, 5, 24762-24772.	1.6	17
29	Temperature-Responsive Hydrophobic Silica Nanoparticle Ultrasound Contrast Agents Directed by Phospholipid Phase Behavior. ACS Applied Materials & Interfaces, 2019, 11, 15233-15240.	4.0	16
30	The effects of upper extremity progressive resistance and endurance exercises in patients with spinal cord injury. Journal of Back and Musculoskeletal Rehabilitation, 2014, 27, 419-426.	0.4	15
31	High Selectivity Boolean Olfaction Using Hollow-Core Wavelength-Scalable Bragg Fibers. Analytical Chemistry, 2012, 84, 83-90.	3.2	13
32	Cytotoxicity of multifunctional surfactant containing capped mesoporous silica nanoparticles. RSC Advances, 2016, 6, 32060-32069.	1.7	13
33	Robust superhydrophilic patterning of superhydrophobic ormosil surfaces for high-throughput on-chip screening applications. RSC Advances, 2016, 6, 80049-80054.	1.7	12
34	Gas-stabilizing nanoparticles for ultrasound imaging and therapy of cancer. Nano Convergence, 2021, 8, 39.	6.3	11
35	Photonic bandgap narrowing in conical hollow core Bragg fibers. Applied Physics Letters, 2014, 105, 071102.	1.5	5
36	Enhanced performance of dye-sensitized solar cells by omnidirectional antireflective coatings. Journal of Photonics for Energy, 2015, 5, 053090.	0.8	4

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37	Enzyme-Instructed Formation of Î²-Sheet-Rich Nanoplatelets for Label-Free Protease Sensing. ACS Applied Nano Materials, 2021, 4, 7800-7810.	2.4	3
38	Sensors: Bioinspired Optoelectronic Nose with Nanostructured Wavelength-Scalable Hollow-Core Infrared Fibers (Adv. Mater. 10/2011). Advanced Materials, 2011, 23, 1262-1262.	11.1	1
39	Artificial olfaction inside nanostructured infrared fiber arrays. , 2011, , .		0
40	Microfluidics: Surface Textured Polymer Fibers for Microfluidics (Adv. Funct. Mater. 29/2014). Advanced Functional Materials, 2014, 24, 4568-4568.	7.8	0