Eugene R Zubarev

List of Publications by Year
in descending order

75 papers	7,110 citations	50170 46 h-index	74018 75 g-index
79 all docs	79 docs citations	79 times ranked	9716 citing authors

#	Article	IF	Citations
1	Self-Assembly of Nanocrystals into Ring-like Superstructures: When Shape, Size, and Material Do Not Matter. Langmuir, 2022, 38, 3896-3906.	1.6	0
2	Synthesis of Asymmetric One-Dimensional Pd on Au Bimetallic Nanostructures. Langmuir, 2021, 37, 9901-9909.	1.6	4
3	Gold Nanowires from Nanorods. Langmuir, 2020, 36, 15030-15038.	1.6	12
4	Solution synthesis of anisotropic gold microcrystals. Chemical Communications, 2020, 56, 11653-11656.	2.2	2
5	Gold Nanorod Synthesis with Small Thiolated Molecules. Langmuir, 2020, 36, 3758-3769.	1.6	26
6	Improving the Shape Yield and Long-Term Stability of Gold Nanoprisms with Poly(vinylpyrrolidone). Langmuir, 2019, 35, 9777-9784.	1.6	11
7	High yield synthesis and surface chemistry exchange of small gold hexagonal nanoprisms. Chemical Communications, 2019, 55, 11422-11425.	2.2	6
8	Chemical Transformation of Nanorods to Nanowires: Reversible Growth and Dissolution of Anisotropic Gold Nanostructures. ACS Nano, 2019, 13, 2370-2378.	7.3	30
9	Gramâ€Scale Synthesis of Isolated Monodisperse Gold Nanorods. Chemistry - A European Journal, 2019, 25, 1595-1600.	1.7	21
10	Synthesis of Gold Nanorods Using Poly(vinylpyrrolidone) of Different Molecular Weights as an Additive. ChemistrySelect, 2018, 3, 12192-12197.	0.7	11
11	Gold nanotriangles: scale up and X-ray radiosensitization effects in mice. Nanoscale, 2017, 9, 5085-5093.	2.8	58
12	Optimization of Spectral and Spatial Conditions to Improve Super-Resolution Imaging of Plasmonic Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 299-306.	2.1	21
13	Accelerating Gold Nanorod Synthesis with Nanomolar Concentrations of Poly(vinylpyrrolidone). Langmuir, 2017, 33, 12681-12688.	1.6	29
14	Adsorption and Unfolding of a Single Protein Triggers Nanoparticle Aggregation. ACS Nano, 2016, 10, 2103-2112.	7.3	177
15	Seedless synthesis of gold nanorods using dopamine as a reducing agent. RSC Advances, 2015, 5, 91587-91593.	1.7	42
16	Controlled bacteria-gold nanorod interactions for enhancement of optoacoustic contrast. , 2014, , .		1
17	Influence of Cross Sectional Geometry on Surface Plasmon Polariton Propagation in Gold Nanowires. ACS Nano, 2014, 8, 572-580.	7.3	40
18	Why Single-Beam Optical Tweezers Trap Gold Nanowires in Three Dimensions. ACS Nano, 2013, 7, 8794-8800.	7.3	49

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19	Therapeutic platforms based on gold nanoparticles and their covalent conjugates with drug molecules. Advanced Drug Delivery Reviews, 2013, 65, 663-676.	6.6	259
20	High-Yield Synthesis of Gold Nanorods with Longitudinal SPR Peak Greater than 1200 nm Using Hydroquinone as a Reducing Agent. Chemistry of Materials, 2013, 25, 1450-1457.	3.2	352
21	Any way you want it. Nature Nanotechnology, 2013, 8, 396-397.	15.6	19
22	An atomistic view of the interfacial structures of AuRh and AuPd nanorods. Nanoscale, 2013, 5, 7452.	2.8	47
23	Identification of Higher Order Long-Propagation-Length Surface Plasmon Polariton Modes in Chemically Prepared Gold Nanowires. ACS Nano, 2012, 6, 8105-8113.	7.3	58
24	Functional Gold Nanorods: Functional Gold Nanorods: Synthesis, Selfâ€Assembly, and Sensing Applications (Adv. Mater. 36/2012). Advanced Materials, 2012, 24, 5016-5016.	11.1	5
25	Robust Multilayer Thin Films Containing Cationic Thiol-Functionalized Gold Nanorods for Tunable Plasmonic Properties. Langmuir, 2012, 28, 923-930.	1.6	25
26	Starfruit-Shaped Gold Nanorods and Nanowires: Synthesis and SERS Characterization. Langmuir, 2012, 28, 9034-9040.	1.6	92
27	Propagation Lengths and Group Velocities of Plasmons in Chemically Synthesized Gold and Silver Nanowires. ACS Nano, 2012, 6, 472-482.	7.3	148
28	Shape-Dependent Oriented Trapping and Scaffolding of Plasmonic Nanoparticles by Topological Defects for Self-Assembly of Colloidal Dimers in Liquid Crystals. Nano Letters, 2012, 12, 955-963.	4.5	130
29	Functional Gold Nanorods: Synthesis, Selfâ€Assembly, and Sensing Applications. Advanced Materials, 2012, 24, 4811-4841.	11.1	695
30	Self-assembled nanorod supercrystals for ultrasensitive SERS diagnostics. Nano Today, 2012, 7, 6-9.	6.2	54
31	Quantitative Replacement of Cetyl Trimethylammonium Bromide by Cationic Thiol Ligands on the Surface of Gold Nanorods and Their Extremely Large Uptake by Cancer Cells. Angewandte Chemie - International Edition, 2012, 51, 636-641.	7.2	170
32	Striped nanowires and nanorods from mixed SAMS. Nanoscale, 2011, 3, 3244.	2.8	39
33	Liquid-Crystalline Polymer Composites with CdS Nanorods: Structure and Optical Properties. Langmuir, 2011, 27, 13353-13360.	1.6	36
34	Low absorption losses of strongly coupled surface plasmons in nanoparticle assemblies. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19879-19884.	3.3	55
35	Gold nanorods 3D-supercrystals as surface enhanced Raman scattering spectroscopy substrates for the rapid detection of scrambled prions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8157-8161.	3.3	412
36	Seeing Double: Coupling between Substrate Image Charges and Collective Plasmon Modes in Self-Assembled Nanoparticle Superstructures. ACS Nano, 2011, 5, 4892-4901.	7.3	22

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37	Nearâ€Bulk Conductivity of Gold Nanowires as Nanoscale Interconnects and the Role of Atomically Smooth Interface. Advanced Materials, 2010, 22, 2338-2342.	11.1	106
38	Bleach-Imaged Plasmon Propagation (BlIPP) in Single Gold Nanowires. Nano Letters, 2010, 10, 3482-3485.	4.5	70
39	Single-Particle Spectroscopy of Gold Nanorods beyond the Quasi-Static Limit: Varying the Width at Constant Aspect Ratio. Journal of Physical Chemistry C, 2010, 114, 4934-4938.	1.5	99
40	Plasmonic Nanoparticlesâ^'Liquid Crystal Composites. Journal of Physical Chemistry C, 2010, 114, 7251-7257.	1.5	113
41	Polymerâ€Functionalized Platinumâ€Onâ€Gold Bimetallic Nanorods. Angewandte Chemie - International Edition, 2009, 48, 6888-6891.	7.2	75
42	One-Dimensional Coupling of Gold Nanoparticle Plasmons in Self-Assembled Ring Superstructures. Nano Letters, 2009, 9, 1152-1157.	4.5	94
43	Ultrathin Layer-by-Layer Hydrogels with Incorporated Gold Nanorods as pH-Sensitive Optical Materials. Chemistry of Materials, 2008, 20, 7474-7485.	3.2	141
44	Purification of High Aspect Ratio Gold Nanorods: Complete Removal of Platelets. Journal of the American Chemical Society, 2008, 130, 12634-12635.	6.6	185
45	Paclitaxel-Functionalized Gold Nanoparticles. Journal of the American Chemical Society, 2007, 129, 11653-11661.	6.6	435
46	Rings of Nanorods. Angewandte Chemie - International Edition, 2007, 46, 2195-2198.	7.2	273
47	Inside Cover: Rings of Nanorods (Angew. Chem. Int. Ed. 13/2007). Angewandte Chemie - International Edition, 2007, 46, 2124-2124.	7.2	1
48	Amphiphilic Gold Nanoparticles with V-Shaped Arms. Journal of the American Chemical Society, 2006, 128, 4958-4959.	6.6	145
49	Amphiphilicity-Driven Organization of Nanoparticles into Discrete Assemblies. Journal of the American Chemical Society, 2006, 128, 15098-15099.	6.6	164
50	Langmuirâ^'Blodgett Monolayers of Gold Nanoparticles with Amphiphilic Shells from V-Shaped Binary Polymer Arms. Langmuir, 2006, 22, 7011-7015.	1.6	70
51	From Small Building Blocks to Complex Molecular Architecture. Organic Letters, 2006, 8, 1367-1370.	2.4	6
52	The Molecular Basis of Self-Assembly of Dendronâ€"Rodâ€"Coils into One-Dimensional Nanostructures. Chemistry - A European Journal, 2006, 12, 7313-7327.	1.7	61
53	Structural Modifications to Polystyrene via Self-Assembling Molecules. Advanced Functional Materials, 2005, 15, 487-493.	7.8	24
54	Microtribological and Nanomechanical Properties of Switchable Y-Shaped Amphiphilic Polymer Brushes. Advanced Functional Materials, 2005, 15, 1529-1540.	7.8	61

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55	Supramolecular Templating of Single and Double Nanohelices of Cadmium Sulfide. Small, 2005, 1, 694-697.	5.2	70
56	In-situ Observation of Switchable Nanoscale Topography for Y-Shaped Binary Brushes in Fluids. Nano Letters, 2005, 5, 491-495.	4.5	58
57	Supramolecular Assemblies of Starlike and V-Shaped PB-PEO Amphiphiles. Angewandte Chemie - International Edition, 2004, 43, 5491-5496.	7.2	73
58	Interfacial Micellar Structures from Novel Amphiphilic Star Polymers. Langmuir, 2004, 20, 9044-9052.	1.6	45
59	Assembling a lasing hybrid material with supramolecular polymers and nanocrystals. Nature Materials, 2003, 2, 689-694.	13.3	61
60	Y-Shaped Polymer Brushes:Â Nanoscale Switchable Surfaces. Langmuir, 2003, 19, 7832-7836.	1.6	130
61	Synthesis and Self-Assembly of a Heteroarm Star Amphiphile with 12 Alternating Arms and a Well-Defined Core. Journal of the American Chemical Society, 2003, 125, 11840-11841.	6.6	69
62	Y-Shaped Amphiphilic Brushes with Switchable Micellar Surface Structures. Journal of the American Chemical Society, 2003, 125, 15912-15921.	6.6	123
63	A Light Scattering Study of the Self-Assembly of Dendron Rodâ"Coil Molecules. Journal of Physical Chemistry B, 2002, 106, 9730-9736.	1.2	47
64	Chemical Structure and Nonlinear Optical Properties of Polar Self-Assembling Films. Macromolecules, 2002, 35, 2560-2565.	2.2	15
65	Dendron Rodcoils:Â Synthesis of Novel Organic Hybrid Structures. Journal of the American Chemical Society, 2002, 124, 5762-5773.	6.6	48
66	Semiconductor Nanohelices Templated by Supramolecular Ribbons. Angewandte Chemie - International Edition, 2002, 41, 1705-1709.	7.2	256
67	Supramolecular one-dimensional objects. Current Opinion in Solid State and Materials Science, 2001, 5, 355-361.	5.6	93
68	Self-Assembly of Dendron Rodcoil Molecules into Nanoribbons. Journal of the American Chemical Society, 2001, 123, 4105-4106.	6.6	256
69	Pretransitional phenomena in acrylate-based liquid crystal networks. Liquid Crystals, 2000, 27, 921-927.	0.9	1
70	Self-Assembly of Organic Nano-Objects into Functional Materials. MRS Bulletin, 2000, 25, 42-48.	1.7	57
71	Monodomain liquid crystalline networks: reorientation mechanism from uniform to stripe domains. Liquid Crystals, 1999, 26, 1531-1540.	0.9	74
72	Conversion of Supramolecular Clusters to Macromolecular Objects. Science, 1999, 283, 523-526.	6.0	178

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73	Influence of Network Topology on Polydomainâ˜Monodomain Transition in Side Chain Liquid Crystalline Elastomers with Cyanobiphenyl Mesogens. Macromolecules, 1998, 31, 3566-3570.	2.2	45
74	Influence of crosslinking conditions on the phase behavior of a polyacrylate-based liquid-crystalline elastomer. Macromolecular Rapid Communications, 1996, 17, 43-49.	2.0	21
75	Rheological behavior of comb-shaped mesophase polymers and their modifying role in the blends with thermoplastics. Macromolecular Symposia, 1995, 96, 61-77.	0.4	1