

Y Andrew Wang

List of Publications by Year in descending order

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papers

7,243
citations

201674

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395702

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times ranked

9698
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Scale Synthesis of Nearly Monodisperse CdSe/CdS Core/Shell Nanocrystals Using Air-Stable Reagents via Successive Ion Layer Adsorption and Reaction. <i>Journal of the American Chemical Society</i> , 2003, 125, 12567-12575.	13.7	1,468
2	Photochemical Instability of CdSe Nanocrystals Coated by Hydrophilic Thiols. <i>Journal of the American Chemical Society</i> , 2001, 123, 8844-8850.	13.7	1,042
3	Bright, multicoloured light-emitting diodes based on quantum dots. <i>Nature Photonics</i> , 2007, 1, 717-722.	31.4	1,042
4	Formation and Stability of Size-, Shape-, and Structure-Controlled CdTe Nanocrystals: Ligand Effects on Monomers and Nanocrystals. <i>Chemistry of Materials</i> , 2003, 15, 4300-4308.	6.7	752
5	Stabilization of Inorganic Nanocrystals by Organic Dendrons. <i>Journal of the American Chemical Society</i> , 2002, 124, 2293-2298.	13.7	316
6	Single Chain Epidermal Growth Factor Receptor Antibody Conjugated Nanoparticles for in vivo Tumor Targeting and Imaging. <i>Small</i> , 2009, 5, 235-243.	10.0	315
7	Luminescent CdSe/CdS Core/Shell Nanocrystals in Dendron Boxes: Superior Chemical, Photochemical and Thermal Stability. <i>Journal of the American Chemical Society</i> , 2003, 125, 3901-3909.	13.7	308
8	Reexamining the Effects of Particle Size and Surface Chemistry on the Magnetic Properties of Iron Oxide Nanocrystals: New Insights into Spin Disorder and Proton Relaxivity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8127-8131.	3.1	233
9	Receptor-Targeted Nanoparticles for <i>In vivo</i> Imaging of Breast Cancer. <i>Clinical Cancer Research</i> , 2009, 15, 4722-4732.	7.0	210
10	Conjugation Chemistry and Bioapplications of Semiconductor Box Nanocrystals Prepared via Dendrimer Bridging. <i>Chemistry of Materials</i> , 2003, 15, 3125-3133.	6.7	197
11	Aptamer-Based Detection of Epithelial Tumor Marker Mucin 1 with Quantum Dot-Based Fluorescence Readout. <i>Analytical Chemistry</i> , 2009, 81, 6130-6139.	6.5	170
12	IGF1 Receptor Targeted Theranostic Nanoparticles for Targeted and Image-Guided Therapy of Pancreatic Cancer. <i>ACS Nano</i> , 2015, 9, 7976-7991.	14.6	136
13	Superparamagnetic Iron Oxide Nanotheranostics for Targeted Cancer Cell Imaging and pH-Dependent Intracellular Drug Release. <i>Molecular Pharmaceutics</i> , 2010, 7, 1974-1984.	4.6	124
14	Development of Receptor Targeted Magnetic Iron Oxide Nanoparticles for Efficient Drug Delivery and Tumor Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2008, 4, 439-449.	1.1	99
15	Cadmium-free quantum dots as time-gated bioimaging probes in highly-autofluorescent human breast cancer cells. <i>Chemical Communications</i> , 2013, 49, 624-626.	4.1	86
16	Highly Luminescent, Stable, and Water-Soluble CdSe/CdS Core-Shell Dendron Nanocrystals with Carboxylate Anchoring Groups. <i>Langmuir</i> , 2006, 22, 6341-6345.	3.5	85
17	Dual-targeting Wnt and uPA receptors using peptide conjugated ultra-small nanoparticle drug carriers inhibited cancer stem-cell phenotype in chemo-resistant breast cancer. <i>Biomaterials</i> , 2018, 152, 47-62.	11.4	72
18	uPAR-targeted Optical Imaging Contrasts as Theranostic Agents for Tumor Margin Detection. <i>Theranostics</i> , 2014, 4, 106-118.	10.0	69

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19	Synthesis and grafting of folate-PEG-PAMAM conjugates onto quantum dots for selective targeting of folate-receptor-positive tumor cells. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 44-50.	9.4	68
20	Active Targeting Using HER2-Affibody-Conjugated Nanoparticles Enabled Sensitive and Specific Imaging of Orthotopic HER2-Positive Ovarian Tumors. <i>Small</i> , 2014, 10, 544-555.	10.0	62
21	Quantum Dots with Multivalent and Compact Polymer Coatings for Efficient Fluorescence Resonance Energy Transfer and Self-Assembled Biotagging. <i>Chemistry of Materials</i> , 2010, 22, 4372-4378.	6.7	50
22	Image-Guided Local Delivery Strategies Enhance Therapeutic Nanoparticle Uptake in Solid Tumors. <i>ACS Nano</i> , 2013, 7, 7724-7733.	14.6	50
23	Biocompatible Polysiloxane-Containing Diblock Copolymer PEO- <i>b</i> -PMPS for Coating Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2134-2140.	8.0	46
24	Photoluminescence Quenching of CdSe Core/Shell Quantum Dots by Hole Transporting Materials. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1886-1890.	3.1	43
25	Two-photon-pumped lasing from colloidal nanocrystal quantum dots. <i>Optics Letters</i> , 2008, 33, 2437.	3.3	41
26	T ₁ -weighted ultrashort echo time method for positive contrast imaging of magnetic nanoparticles and cancer cells bound with the targeted nanoparticles. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 194-202.	3.4	40
27	Targeted Delivery of siRNA-Generating DNA Nanocassettes Using Multifunctional Nanoparticles. <i>Small</i> , 2013, 9, 1964-1973.	10.0	30
28	Theranostic Nanoparticles Carrying Doxorubicin Attenuate Targeting Ligand Specific Antibody Responses Following Systemic Delivery. <i>Theranostics</i> , 2015, 5, 43-61.	10.0	26
29	Architecture of stable and water-soluble CdSe/ZnS core-shell dendron nanocrystals via ligand exchange. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 336-343.	9.4	25
30	Shell-Dependent Energy Transfer from 1,3,5-Tris(<i>N</i> -phenylbenzimidazol-2-yl) Benzene to CdSe Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19256-19262.	3.1	22
31	Preclinical evaluation of a urokinase plasminogen activator receptor-targeted nanoprobe in rhesus monkeys. <i>International Journal of Nanomedicine</i> , 2015, 10, 6689.	6.7	9
32	DOT corrected fluorescence molecular tomography using targeted contrast agents for small animal tumor imaging. <i>Journal of X-Ray Science and Technology</i> , 2013, 21, 43-52.	1.0	4
33	MR Imaging Enables Measurement of Therapeutic Nanoparticle Uptake in Rat N1-S1 Liver Tumors after Nanoablation. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 1288-1294.	0.5	3