

Gary B Braun

List of Publications by Year in descending order

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64
papers

5,434
citations

66343

42
h-index

123424

61
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65
all docs

65
docs citations

65
times ranked

9085
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Nanocarriers Targeted with a CendR Peptide Potentiate the Cytotoxic Activity of an Anticancer Drug. <i>Advanced Therapeutics</i> , 2021, 4, 2000097.	3.2	9
2	Comment on Conopeptide-Functionalized Nanoparticles Selectively Antagonize Extrasynaptic N-Methyl-d-Aspartate Receptors and Protect Hippocampal Neurons from Excitotoxicity In Vitro. <i>ACS Nano</i> , 2021, 15, 15402-15408.	14.6	0
3	Antibiotic-loaded nanoparticles targeted to the site of infection enhance antibacterial efficacy. <i>Nature Biomedical Engineering</i> , 2018, 2, 95-103.	22.5	278
4	Screening for canine transitional cell carcinoma (TCC) by SERS-based quantitative urine cytology. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1279-1287.	3.3	8
5	Graphene biointerfaces for optical stimulation of cells. <i>Science Advances</i> , 2018, 4, eaat0351.	10.3	68
6	RNA Delivery: Modularized Gold Nanocarriers for TAT-Mediated Delivery of siRNA (<i>Small</i> 8/2017). <i>Small</i> , 2017, 13, .	10.0	0
7	Silicon Nanoparticles: Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-Infectives for the Treatment of <i>Pseudomonas aeruginosa</i> Lung Infections (<i>Adv. Mater.</i> 35/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	2
8	In vivo cation exchange in quantum dots for tumor-specific imaging. <i>Nature Communications</i> , 2017, 8, 343.	12.8	56
9	Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-Infectives for the Treatment of <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Advanced Materials</i> , 2017, 29, 1701527.	21.0	82
10	Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease. <i>Nature Communications</i> , 2017, 8, 1403.	12.8	54
11	Ratiometric in vivo auditing of targeted silver nanoparticles. <i>Nanoscale</i> , 2017, 9, 10094-10100.	5.6	11
12	Modularized Gold Nanocarriers for TAT-Mediated Delivery of siRNA. <i>Small</i> , 2017, 13, 1602473.	10.0	16
13	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , 2016, 26, 267-276.	14.9	65
14	Paclitaxel-Loaded Polymersomes for Enhanced Intraperitoneal Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 670-679.	4.1	68
15	Urokinase-controlled tumor penetrating peptide. <i>Journal of Controlled Release</i> , 2016, 232, 188-195.	9.9	46
16	Nanostructured Antagonist of Extrasynaptic NMDA Receptors. <i>Nano Letters</i> , 2016, 16, 5495-5502.	9.1	26
17	A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries. <i>Nature Communications</i> , 2016, 7, 11980.	12.8	138
18	Composite Porous Silicon-Silver Nanoparticles as Theranostic Antibacterial Agents. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30449-30457.	8.0	70

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19	New p32/gC1qR Ligands for Targeted Tumor Drug Delivery. <i>ChemBioChem</i> , 2016, 17, 570-575.	2.6	75
20	Targeted silver nanoparticles for ratiometric cell phenotyping. <i>Nanoscale</i> , 2016, 8, 9096-9101.	5.6	33
21	Light-activated RNA interference in human embryonic stem cells. <i>Biomaterials</i> , 2015, 63, 70-79.	11.4	38
22	DDEL-19PENETRATION OF HOMING PEPTIDE-FUNCTIONALIZED NANOPARTICLES TO GLIOMA SPHEROIDS IN VITRO. <i>Neuro-Oncology</i> , 2015, 17, v77.3-v77.	1.2	1
23	Clotting Activity of Polyphosphate-Functionalized Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4018-4022.	13.8	55
24	Targeted Intracellular Delivery of Proteins with Spatial and Temporal Control. <i>Molecular Pharmaceutics</i> , 2015, 12, 600-609.	4.6	34
25	A tumor-penetrating peptide enhances circulation-independent targeting of peritoneal carcinomatosis. <i>Journal of Controlled Release</i> , 2015, 212, 59-69.	9.9	62
26	Rapid Identification by Surface-Enhanced Raman Spectroscopy of Cancer Cells at Low Concentrations Flowing in a Microfluidic Channel. <i>ACS Nano</i> , 2015, 9, 4328-4336.	14.6	177
27	Biotags Based on Surface-Enhanced Raman Can Be as Bright as Fluorescence Tags. <i>Nano Letters</i> , 2015, 15, 6745-6750.	9.1	49
28	Thermoswitchable Nanoparticles Based on Elastin-like Polypeptides. <i>Macromolecules</i> , 2015, 48, 5868-5877.	4.8	7
29	Quantitative multiplexed simulated-cell identification by SERS in microfluidic devices. <i>Nanoscale</i> , 2015, 7, 16834-16840.	5.6	32
30	Neuropilin-1 and heparan sulfate proteoglycans cooperate in cellular uptake of nanoparticles functionalized by cationic cell-penetrating peptides. <i>Science Advances</i> , 2015, 1, e1500821.	10.3	68
31	Tumor-Penetrating iRGD Peptide Inhibits Metastasis. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 120-128.	4.1	99
32	A free cysteine prolongs the half-life of a homing peptide and improves its tumor-penetrating activity. <i>Journal of Controlled Release</i> , 2014, 175, 48-53.	9.9	56
33	Modular Plasmonic Nanocarriers for Efficient and Targeted Delivery of Cancer-Therapeutic siRNA. <i>Nano Letters</i> , 2014, 14, 2046-2051.	9.1	60
34	An endocytosis pathway initiated through neuropilin-1 and regulated by nutrient availability. <i>Nature Communications</i> , 2014, 5, 4904.	12.8	156
35	Etchable plasmonic nanoparticle probes to image and quantify cellular internalization. <i>Nature Materials</i> , 2014, 13, 904-911.	27.5	156
36	Quantity and accessibility for specific targeting of receptors in tumours. <i>Scientific Reports</i> , 2014, 4, 5232.	3.3	33

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37	Application of a Proapoptotic Peptide to Intratumorally Spreading Cancer Therapy. <i>Cancer Research</i> , 2013, 73, 1352-1361.	0.9	55
38	Combined surface-enhanced Raman spectroscopy biotags and microfluidic platform for quantitative ratiometric discrimination between noncancerous and cancerous cells in flow. <i>Journal of Nanophotonics</i> , 2013, 7, 073092.	1.0	16
39	Advances in superresolution optical fluctuation imaging (SOFI). <i>Quarterly Reviews of Biophysics</i> , 2013, 46, 210-221.	5.7	49
40	Combined SERS biotags (SBTs) and microfluidic platform for the quantitative ratiometric discrimination between noncancerous and cancerous cells in flow. , 2012, , .		0
41	SERS Biotags (SBTs) for the Quantitative Ratiometric Discrimination between Noncancerous and Cancerous Prostate Cells. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1468, 19.	0.1	2
42	Ag-nanoparticle fractionation by low melting point agarose gel electrophoresis. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	10
43	Robust SERS Enhancement Factor Statistics Using Rotational Correlation Spectroscopy. <i>Nano Letters</i> , 2012, 12, 2912-2917.	9.1	44
44	Transtumoral targeting enabled by a novel neuropilin-binding peptide. <i>Oncogene</i> , 2012, 31, 3754-3763.	5.9	203
45	Mesoporous Multifunctional Upconversion Luminescent and Magnetic "Nanorattle" Materials for Targeted Chemotherapy. <i>Nano Letters</i> , 2012, 12, 61-67.	9.1	360
46	Novel methods of enhanced retention in and rapid, targeted release from liposomes. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 203-214.	7.4	57
47	Quantitative ratiometric discrimination between noncancerous and cancerous prostate cells based on neuropilin-1 overexpression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16559-16564.	7.1	60
48	Mapping Local pH in Live Cells Using Encapsulated Fluorescent SERS Nanotags. <i>Small</i> , 2010, 6, 618-622.	10.0	151
49	Single-Order, Subwavelength Resonant Nanograting as a Uniformly Hot Substrate for Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2010, 10, 1780-1786.	9.1	83
50	Fabrication of Ag@SiO ₂ @Y ₂ O ₃ :Er Nanostructures for Bioimaging: Tuning of the Upconversion Fluorescence with Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 2850-2851.	13.7	463
51	Cell-Targeted Self-Assembled DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2009, 131, 14237-14239.	13.7	42
52	Generalized Approach to SERS-Active Nanomaterials via Controlled Nanoparticle Linking, Polymer Encapsulation, and Small-Molecule Infusion. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13622-13629.	3.1	160
53	Laser-Activated Gene Silencing <i>via</i> Gold Nanoshell~siRNA Conjugates. <i>ACS Nano</i> , 2009, 3, 2007-2015.	14.6	267
54	Rapid, Solution-Based Characterization of Optimized SERS Nanoparticle Substrates. <i>Journal of the American Chemical Society</i> , 2009, 131, 162-169.	13.7	100

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55	Enzyme-Directed Positioning of Nanoparticles on Large DNA Templates. <i>Bioconjugate Chemistry</i> , 2008, 19, 476-479.	3.6	21
56	Chemically Patterned Microspheres for Controlled Nanoparticle Assembly in the Construction of SERS Hot Spots. <i>Journal of the American Chemical Society</i> , 2007, 129, 7760-7761.	13.7	213
57	Specific and sensitive detection of nucleic acids and RNases using gold nanoparticle- <i>RNA</i> -fluorescent dye conjugates. <i>Chemical Communications</i> , 2007, , 4342.	4.1	53
58	A feasible approach to all-electronic digital labeling and readout for cell identification. <i>Lab on A Chip</i> , 2007, 7, 469.	6.0	25
59	Surface-Enhanced Raman Spectroscopy for DNA Detection by Nanoparticle Assembly onto Smooth Metal Films. <i>Journal of the American Chemical Society</i> , 2007, 129, 6378-6379.	13.7	302
60	Detection of Sequence-Specific Protein-DNA Interactions via Surface Enhanced Resonance Raman Scattering. <i>Journal of the American Chemical Society</i> , 2007, 129, 14572-14573.	13.7	137
61	A Heterogeneous PNA-Based SERS Method for DNA Detection. <i>Journal of the American Chemical Society</i> , 2007, 129, 6086-6087.	13.7	134
62	Gold Nanoparticle Decoration of DNA on Silicon. <i>Langmuir</i> , 2005, 21, 10699-10701.	3.5	45
63	Controlled Spacing of Cationic Gold Nanoparticles by Nanocrown RNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 11886-11887.	13.7	78
64	NMR Analysis of Surfaces and Interfaces in 2-nm CdSe. <i>Journal of the American Chemical Society</i> , 2004, 126, 7063-7070.	13.7	116