

Tymish Y Ohulchanskyy

List of Publications by Year in descending order

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159
papers

14,706
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36691

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161
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161
docs citations

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17772
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#	ARTICLE	IF	CITATIONS
1	Macrophages Modulated by Red/NIR Light: Phagocytosis, Cytokines, Mitochondrial Activity, Ca ²⁺ Influx, Membrane Depolarization and Viability. <i>Photochemistry and Photobiology</i> , 2022, 98, 484-497.	1.3	7
2	NMDA receptor expression during cell transformation process at early stages of liver cancer in rodent models. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, G142-G153.	1.6	3
3	Charged groups on pyropheophorbide-based photosensitizers dictate uptake by tumor cells and photodynamic therapy efficacy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 227, 112375.	1.7	5
4	Red and near infrared light-stimulated angiogenesis mediated via Ca ²⁺ influx, VEGF production and NO synthesis in endothelial cells in macrophage or malignant environments. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 227, 112388.	1.7	11
5	Tumor-Microenvironment-Activated NIR-II Nanotheranostic Platform for Precise Diagnosis and Treatment of Colon Cancer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23206-23218.	4.0	17
6	Near-infrared light reduces β -amyloid-stimulated microglial toxicity and enhances survival of neurons: mechanisms of light therapy for Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	22
7	Lanthanide-Doped Near-Infrared Nanoparticles for Biophotonics. <i>Advanced Materials</i> , 2021, 33, e2000678.	11.1	113
8	An all-graphene quantum dot Förster resonance energy transfer (FRET) probe for ratiometric detection of HE4 ovarian cancer biomarker. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 198, 111458.	2.5	26
9	Red and near-infrared light evokes Ca ²⁺ influx, endoplasmic reticulum release and membrane depolarization in neurons and cancer cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 214, 112088.	1.7	33
10	Excretable, ultrasmall hexagonal NaGdF ₄ :Yb50% nanoparticles for bimodal imaging and radiosensitization. <i>Cancer Nanotechnology</i> , 2021, 12, 4.	1.9	9
11	Real-Time Imaging of Short-Wave Infrared Luminescence Lifetimes for Anti-counterfeiting Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 659553.	1.8	12
12	Multifunctional Magneto-Plasmonic Fe ₃ O ₄ /Au Nanocomposites: Approaching Magnetophoretically-Enhanced Photothermal Therapy. <i>Nanomaterials</i> , 2021, 11, 1113.	1.9	21
13	Dose-effect relationships for PBM in the treatment of Alzheimer's disease. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 353001.	1.3	8
14	Optical Imaging of Beta-Amyloid Plaques in Alzheimer's Disease. <i>Biosensors</i> , 2021, 11, 255.	2.3	10
15	Catalase Nanocrystals Loaded with Methylene Blue as Oxygen Self-Supplied, Imaging-Guided Platform for Photodynamic Therapy of Hypoxic Tumors. <i>Small</i> , 2021, 17, e2103569.	5.2	34
16	Catalase Nanocrystals Loaded with Methylene Blue as Oxygen Self-Supplied, Imaging-Guided Platform for Photodynamic Therapy of Hypoxic Tumors (Small 41/2021). <i>Small</i> , 2021, 17, 2170216.	5.2	1
17	Effect of NIR light on the permeability of the blood-brain barriers in in vitro models. <i>Biomedical Optics Express</i> , 2021, 12, 7544.	1.5	10
18	Co-encapsulating indocyanine green and CT contrast agent within nanoliposomes for trimodal imaging and near infrared phototherapy of cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102269.	1.7	10

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19	Some peculiarities of electronic and vibronic excitations transfer in organic media and hybrid nanosystems. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 696, 3-14.	0.4	1
20	In Situ Ultraviolet Polymerization Using Upconversion Nanoparticles: Nanocomposite Structures Patterned by Near Infrared Light. <i>Nanomaterials</i> , 2020, 10, 2054.	1.9	9
21	Inhibiting tumor oxygen metabolism and simultaneously generating oxygen by intelligent upconversion nanotherapeutics for enhanced photodynamic therapy. <i>Biomaterials</i> , 2020, 251, 120088.	5.7	58
22	Thermosensitive ternary core-shell nanocomposites of polystyrene, poly(N-isopropylacrylamide) and polyaniline. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4951-4964.	1.6	6
23	Noninvasive Temperature Measurement in Dental Materials Using Nd ³⁺ , Yb ³⁺ Doped Nanoparticles Emitting in the Near Infrared Region. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900445.	1.2	17
24	Core-shell polymeric nanoparticles co-loaded with photosensitizer and organic dye for photodynamic therapy guided by fluorescence imaging in near and short-wave infrared spectral regions. <i>Journal of Nanobiotechnology</i> , 2020, 18, 19.	4.2	31
25	Photoacoustic visualization of the fluence rate dependence of photodynamic therapy. <i>Biomedical Optics Express</i> , 2020, 11, 4203.	1.5	7
26	Label-Free Imaging of β -Amyloid Plaques and Photodynamic Degradation. <i>Zhongguo Jiguang/Chinese Journal of Lasers</i> , 2020, 47, 0207029.	0.2	0
27	Near-infrared phototheranostics: optical imaging and light induced therapy (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		
28	Hyperspectral Multiplexed Biological Imaging of Nanoprobes Emitting in the Short-Wave Infrared Region. <i>Nanoscale Research Letters</i> , 2019, 14, 243.	3.1	18
29	Cellular transformations in near-infrared light-induced apoptosis in cancer cells revealed by label-free CARS imaging. <i>Journal of Biophotonics</i> , 2019, 12, e201900179.	1.1	7
30	A Pyropheophorbide Analogue Containing a Fused Methoxy Cyclohexenone Ring System Shows Promising Cancer Imaging Ability. <i>ChemMedChem</i> , 2019, 14, 1503-1513.	1.6	6
31	Synergy of Chemo- and Photodynamic Therapies with C60 Fullerene-Doxorubicin Nanocomplex. <i>Nanomaterials</i> , 2019, 9, 1540.	1.9	32
32	Cycles of protein condensation and discharge in nuclear organelles studied by fluorescence lifetime imaging. <i>Nature Communications</i> , 2019, 10, 455.	5.8	26
33	Importance of Singlet Oxygen in Photocatalytic Reactions of 2-Aryl-1,2,3,4-tetrahydroisoquinolines Using Chalcogenosamine Photocatalysts. <i>Organometallics</i> , 2019, 38, 2431-2442.	1.1	23
34	Nanoliposomes Co-Encapsulating CT Imaging Contrast Agent and Photosensitizer for Enhanced, Imaging Guided Photodynamic Therapy of Cancer. <i>Theranostics</i> , 2019, 9, 1323-1335.	4.6	64
35	Red and near-infrared light induces intracellular Ca ²⁺ flux via the activation of glutamate N-methyl-D-aspartate receptors. <i>Journal of Cellular Physiology</i> , 2019, 234, 15989-16002.	2.0	26
36	Near-Infrared Irradiation Affects Lipid Metabolism in Neuronal Cells, Inducing Lipid Droplets Formation. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1517-1523.	1.7	9

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37	Morpho-functional Characteristics of Bone Marrow Multipotent Mesenchymal Stromal Cells after Activation or Inhibition of Epidermal Growth Factor and Toll-like Receptors or Treatment with DNA Intercalator Cisplatin. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 24-33.	1.1	4
38	Novel Hybrid Compound 4-[(E)-2-phenylethanesulfonamido]-N-hydroxybutanamide with Antimetastatic and Cytotoxic Action: Synthesis and Anticancer Screening. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 18, 1495-1504.	0.9	3
39	Nanoscopic optical imaging: Temporal resolution, new materials, and biological applications (Conference Presentation). , 2019, , .		0
40	LED-based portable light source for photodynamic therapy. , 2019, , .		1
41	Time-gated and lifetime-unmixed imaging of near- and short wave infrared photoluminescence from rare-earth ion doped nanoparticles. , 2019, , .		0
42	TiO_2 -coated fluoride nanoparticles for dental multimodal optical imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201700029.	1.1	5
43	Efficient Erbium-sensitized Core/Shell Nanocrystals for Short Wave Infrared Bioimaging. <i>Advanced Optical Materials</i> , 2018, 6, 1800690.	3.6	80
44	Recent Progress in Upconversion Photodynamic Therapy. <i>Nanomaterials</i> , 2018, 8, 344.	1.9	106
45	Peripheral N-methyl-D-aspartate receptor localization and role in gastric acid secretion regulation: immunofluorescence and pharmacological studies. <i>Scientific Reports</i> , 2018, 8, 7445.	1.6	8
46	Optical windows for head tissues in near-infrared and short-wave infrared regions: Approaching transcranial light applications. <i>Journal of Biophotonics</i> , 2018, 11, e201800141.	1.1	128
47	Hyperspectral imaging of rare-earth doped nanoparticles emitting in near- and short-wave infrared regions. , 2018, , .		1
48	Differentiation of intradermal nevus and dermis by laser-induced breakdown spectroscopy. <i>Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering</i> , 2018, 35, 511.	0.1	0
49	A core-multiple shell nanostructure enabling concurrent upconversion and quantum cutting for photon management. <i>Nanoscale</i> , 2017, 9, 1934-1941.	2.8	26
50	Subcellular Optogenetics Enacted by Targeted Nanotransformers of Near-Infrared Light. <i>ACS Photonics</i> , 2017, 4, 806-814.	3.2	52
51	Structural and Epimeric Isomers of HPPH [3-Devinyl 3-{1-(1-hexyloxy) ethyl}pyropheophorbide-a]: Effects on Uptake and Photodynamic Therapy of Cancer. <i>ACS Chemical Biology</i> , 2017, 12, 933-946.	1.6	20
52	Dye-sensitized lanthanide-doped upconversion nanoparticles. <i>Chemical Society Reviews</i> , 2017, 46, 4150-4167.	18.7	281
53	Comparative Study of Photoelectric Properties of Metamorphic InAs/InGaAs and InAs/GaAs Quantum Dot Structures. <i>Nanoscale Research Letters</i> , 2017, 12, 335.	3.1	17
54	Polymeric Nanoparticles Loaded with Organic Dye for Optical Bioimaging in Near-Infrared Range. , 2017, , .		3

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55	Towards Optical Bioimaging in Near and Short-wave Infrared Regions: Contrast Agents and Optical Properties of Biological Tissue. , 2017, , .		0
56	Nanoliposomes for photodynamic therapy guided by fluorescence and computed tomography imaging. , 2017, , .		0
57	Bipolar Effects in Photovoltage of Metamorphic InAs/InGaAs/GaAs Quantum Dot Heterostructures: Characterization and Design Solutions for Light-Sensitive Devices. Nanoscale Research Letters, 2017, 12, 559.	3.1	7
58	Combining optical imaging and pharmacological methods to localize N-methyl-D-aspartate glutamate receptors in a stomach wall. , 2017, , .		0
59	Optical transparency windows for head tissues in near and short-wave infrared regions. , 2017, , .		2
60	Tunable Narrow Band Emissions from Dye-Sensitized Core/Shell/Shell Nanocrystals in the Second Near-Infrared Biological Window. Journal of the American Chemical Society, 2016, 138, 16192-16195.	6.6	314
61	Targeting T Cell Bioenergetics by Modulating P-Glycoprotein Improves Selectivity of Phototherapy. Biology of Blood and Marrow Transplantation, 2016, 22, S89-S90.	2.0	0
62	Targeting T Cell Bioenergetics by Modulating P-Glycoprotein Selectively Depletes Alloreactive T Cells To Prevent Graft-versus-Host Disease. Journal of Immunology, 2016, 197, 1631-1641.	0.4	1
63	Photosensitizer (PS)-cyanine dye (CD) conjugates: Impact of the linkers joining the PS and CD moieties and their orientation in tumor-uptake and photodynamic therapy (PDT). European Journal of Medicinal Chemistry, 2016, 122, 770-785.	2.6	22
64	Efficient Broadband Upconversion of Near-Infrared Light in Dye-Sensitized Core/Shell Nanocrystals. Advanced Optical Materials, 2016, 4, 1760-1766.	3.6	104
65	In-situ second harmonic generation by cancer cell targeting ZnO nanocrystals to effect photodynamic action in subcellular space. Biomaterials, 2016, 104, 78-86.	5.7	25
66	Highly Effective Dual-Function Near-Infrared (NIR) Photosensitizer for Fluorescence Imaging and Photodynamic Therapy (PDT) of Cancer. Journal of Medicinal Chemistry, 2016, 59, 9774-9787.	2.9	77
67	Impact of Substituents in Tumor Uptake and Fluorescence Imaging Ability of Near-Infrared Cyanine-Like Dyes. Photochemistry and Photobiology, 2015, 91, 1219-1230.	1.3	9
68	Selenorhodamine photosensitizers with the Texas-red core for photodynamic therapy of cancer cells. Bioorganic and Medicinal Chemistry, 2015, 23, 4501-4507.	1.4	19
69	Energy-Cascaded Upconversion in an Organic Dye-Sensitized Core/Shell Fluoride Nanocrystal. Nano Letters, 2015, 15, 7400-7407.	4.5	341
70	Low-bandgap biophotonic nanoblend: A platform for systemic disease targeting and functional imaging. Biomaterials, 2015, 39, 225-233.	5.7	17
71	Light upconverting core-shell nanostructures: nanophotonic control for emerging applications. Chemical Society Reviews, 2015, 44, 1680-1713.	18.7	483
72	Lanthanide-Doped Fluoride Core/Multishell Nanoparticles for Broadband Upconversion of Infrared Light. Advanced Optical Materials, 2015, 3, 575-582.	3.6	50

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73	P-Glycoprotein Modulation Facilitates the Selective Inhibition of Oxidative Phosphorylation in Alloreactive T Cells to Prevent Graft-Versus-Host Disease after Hematopoietic Stem Cell Transplant. <i>Blood</i> , 2015, 126, 1879-1879.	0.6	0
74	Ormosil nanoparticles as a sustained-release drug delivery vehicle. <i>RSC Advances</i> , 2014, 4, 53498-53504.	1.7	30
75	Photodynamic therapy by in situ nonlinear photon conversion. <i>Nature Photonics</i> , 2014, 8, 455-461.	15.6	192
76	Enhanced upconversion emission in colloidal (NaYF ₄ :Er ³⁺)/NaYF ₄ core/shell nanoparticles excited at 1523 nm. <i>Optics Letters</i> , 2014, 39, 1386.	1.7	51
77	Selenorhodamine Photosensitizers for Photodynamic Therapy of P-Glycoprotein-Expressing Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8622-8634.	2.9	53
78	Synthesis and Properties of Heavy Chalcogen Analogues of the Texas Reds and Related Rhodamines. <i>Organometallics</i> , 2014, 33, 2628-2640.	1.1	52
79	Hydrogels: Pd-Porphyrin-Cross-Linked Implantable Hydrogels with Oxygen-Responsive Phosphorescence (<i>Adv. Healthcare Mater.</i> 6/2014). <i>Advanced Healthcare Materials</i> , 2014, 3, 890-890.	3.9	0
80	Pd-Porphyrin-Cross-Linked Implantable Hydrogels with Oxygen-Responsive Phosphorescence. <i>Advanced Healthcare Materials</i> , 2014, 3, 891-896.	3.9	46
81	Fluorogenic, Two-Photon-Triggered Photoclick Chemistry in Live Mammalian Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 16766-16769.	6.6	142
82	Phospholipid micelle-based magneto-plasmonic nanoformulation for magnetic field-directed, imaging-guided photo-induced cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1192-1202.	1.7	26
83	Organotellurium Fluorescence Probes for Redox Reactions: 9-Aryl-3,6-diaminotelluroxanthylum Dyes and Their Telluroxides. <i>Organometallics</i> , 2013, 32, 4321-4333.	1.1	38
84	Tunable Near Infrared to Ultraviolet Upconversion Luminescence Enhancement in (NaYF ₄ :Yb,Tm)/CaF ₂ Core/Shell Nanoparticles for In situ Real-time Recorded Biocompatible Photoactivation. <i>Small</i> , 2013, 9, 3213-3217.	5.2	69
85	Regioselective Synthesis and Photophysical and Electrochemical Studies of 20-Substituted Cyanine Dye-Purpurinimide Conjugates: Incorporation of Ni ^{II} into the Conjugate Enhances its Tumor Uptake and Fluorescence Imaging Ability. <i>Chemistry - A European Journal</i> , 2013, 19, 6670-6684.	1.7	16
86	Comparative Tumor Imaging and PDT Efficacy of HPPH Conjugated in the Mono- and Di-Forms to Various Polymethine Cyanine Dyes: Part - 2. <i>Theranostics</i> , 2013, 3, 703-718.	4.6	38
87	Upconversion: Tunable Near Infrared to Ultraviolet Upconversion Luminescence Enhancement in (NaYF ₄ :Yb,Tm)/CaF ₂ Core/Shell Nanoparticles for In situ Real-time Recorded Biocompatible Photoactivation (<i>Small</i> 19/2013). <i>Small</i> , 2013, 9, 3212-3212.	5.2	182
88	Evaluation of Polymethine Dyes as Potential Probes for Near Infrared Fluorescence Imaging of Tumors: Part - 1. <i>Theranostics</i> , 2013, 3, 692-702.	4.6	122
89	Facile Synthesis and Potential Bioimaging Applications of Hybrid Upconverting and Plasmonic NaGdF ₄ :Yb ³⁺ , Er ³⁺ /Silica/Gold Nanoparticles. <i>Theranostics</i> , 2013, 3, 275-281.	4.6	67
90	<i>In situ</i> gold nanoparticles formation: contrast agent for dental optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2012, 17, 066003.	1.4	24

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91	Core/Shell NaGdF ₄ :Nd ³⁺ /NaGdF ₄ Nanocrystals with Efficient Near-Infrared to Near-Infrared Downconversion Photoluminescence for Bioimaging Applications. ACS Nano, 2012, 6, 2969-2977.	7.3	403
92	Fluorescence Lifetime of Fluorescent Proteins as an Intracellular Environment Probe Sensing the Cell Cycle Progression. ACS Chemical Biology, 2012, 7, 1385-1392.	1.6	51
93	Use of colloidal upconversion nanocrystals for energy relay solar cell light harvesting in the near-infrared region. Journal of Materials Chemistry, 2012, 22, 16709.	6.7	101
94	Multifunctional nanoplatfoms for fluorescence imaging and photodynamic therapy developed by post-loading photosensitizer and fluorophore to polyacrylamide nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 941-950.	1.7	57
95	(\pm -NaYbF ₄ :Tm ³⁺)/CaF ₂ Core/Shell Nanoparticles with Efficient Near-Infrared to Near-Infrared Upconversion for High-Contrast Deep Tissue Bioimaging. ACS Nano, 2012, 6, 8280-8287.	7.3	647
96	Intense Visible and Near-Infrared Upconversion Photoluminescence in Colloidal LiYF ₄ :Er ³⁺ Nanocrystals under Excitation at 1490 nm. ACS Nano, 2011, 5, 4981-4986.	7.3	348
97	Monodisperse NaYbF ₄ :Tm ³⁺ /NaGdF ₄ core/shell nanocrystals with near-infrared to near-infrared upconversion photoluminescence and magnetic resonance properties. Nanoscale, 2011, 3, 2003.	2.8	170
98	Organically modified silica nanoparticles as drug delivery vehicles in photodynamic therapy. Journal of Porphyrins and Phthalocyanines, 2011, 15, 401-411.	0.4	8
99	Biophotonics: Harnessing Light for Biology and Medicine. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 3-17.	0.2	3
100	Study on Cell Cycle Using Fluorescence Lifetime Imaging Microscopic System Based on a Streak Camera. Zhongguo Jiguang/Chinese Journal of Lasers, 2011, 38, 0304002.	0.2	0
101	Styryl Dyes as Two-Photon Excited Fluorescent Probes for DNA Detection and Two-Photon Laser Scanning Fluorescence Microscopy of Living Cells. Journal of Fluorescence, 2010, 20, 865-872.	1.3	27
102	Combined magnetic resonance and optical imaging of head and neck tumor xenografts using Gadolinium-labelled phosphorescent polymeric nanomicelles. Head & Neck Oncology, 2010, 2, 35.	2.3	23
103	High-resolution light microscopy using luminescent nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 162-175.	3.3	33
104	Ultrasmall Monodisperse NaYF ₄ :Yb ³⁺ /Tm ³⁺ Nanocrystals with Enhanced Near-Infrared to Near-Infrared Upconversion Photoluminescence. ACS Nano, 2010, 4, 3163-3168.	7.3	586
105	<i>In Vivo</i> Biodistribution and Clearance Studies Using Multimodal Organically Modified Silica Nanoparticles. ACS Nano, 2010, 4, 699-708.	7.3	500
106	Polymeric Nanocomposites Involving a Physical Blend of IR Sensitive Quantum Dots and Carbon Nanotubes for Photodetection. Journal of Physical Chemistry C, 2010, 114, 3180-3184.	1.5	16
107	Photoluminescent Carbon Dots as Biocompatible Nanoprobes for Targeting Cancer Cells <i>In Vitro</i> . Journal of Physical Chemistry C, 2010, 114, 12062-12068.	1.5	318
108	Water-Soluble Porphyrin-Polyethylene Glycol Conjugates with Enhanced Cellular Uptake for Photodynamic Therapy. Journal of Nanoscience and Nanotechnology, 2009, 9, 7130-5.	0.9	9

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109	Combined Optical and MR Bioimaging Using Rare Earth Ion Doped NaYF ₄ Nanocrystals. <i>Advanced Functional Materials</i> , 2009, 19, 853-859.	7.8	609
110	Synthesis and nanoparticle encapsulation of 3,5-difuranylvinyl-boradiaza-s-indacenes for near-infrared fluorescence imaging. <i>Journal of Materials Chemistry</i> , 2009, 19, 3181.	6.7	25
111	Organically Modified Silica Nanoparticles with Intraparticle Heavy-Atom Effect on the Encapsulated Photosensitizer for Enhanced Efficacy of Photodynamic Therapy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12641-12644.	1.5	74
112	Near-Infrared Phosphorescent Polymeric Nanomicelles: Efficient Optical Probes for Tumor Imaging and Detection. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1474-1481.	4.0	81
113	Multifunctional ORMOSIL and PAA nanoparticles. , 2009, , .		0
114	High Contrast in Vitro and in Vivo Photoluminescence Bioimaging Using Near Infrared to Near Infrared Up-Conversion in Tm ³⁺ and Yb ³⁺ Doped Fluoride Nanophosphors. <i>Nano Letters</i> , 2008, 8, 3834-3838.	4.5	874
115	Covalently Dye-Linked, Surface-Controlled, and Bioconjugated Organically Modified Silica Nanoparticles as Targeted Probes for Optical Imaging. <i>ACS Nano</i> , 2008, 2, 449-456.	7.3	274
116	Water-Soluble Two-Photon Absorbing Nitrosyl Complex for Light-Activated Therapy through Nitric Oxide Release. <i>Molecular Pharmaceutics</i> , 2008, 5, 389-398.	2.3	59
117	New Method for Delivering a Hydrophobic Drug for Photodynamic Therapy Using Pure Nanocrystal Form of the Drug. <i>Molecular Pharmaceutics</i> , 2007, 4, 289-297.	2.3	109
118	The optical biomedical sensors for DNA detection and imaging based on two-photon excited luminescent styryl dyes: phototoxic influence on the DNA. <i>Proceedings of SPIE</i> , 2007, , .	0.8	3
119	Photodetection and Photovoltaic Properties of Polymer Composite Materials Based on Pentacene and Carbon Nanotube. <i>LEOS Summer Topical Meeting</i> , 2007, , .	0.0	0
120	“Switched-On” Flexible Chalcogenopyrylium Photosensitizers. Changes in Photophysical Properties upon Binding to DNA. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9686-9692.	1.2	20
121	Water-Dispersible Polymeric Structure Co-encapsulating a Novel Hexa-peri-hexabenzocoronene Core Containing Chromophore with Enhanced Two-Photon Absorption and Magnetic Nanoparticles for Magnetically Guided Two-Photon Cellular Imaging. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16846-16851.	1.5	33
122	Imaging Pancreatic Cancer Using Surface-Functionalized Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6969-6972.	1.2	106
123	Organically Modified Silica Nanoparticles with Covalently Incorporated Photosensitizer for Photodynamic Therapy of Cancer. <i>Nano Letters</i> , 2007, 7, 2835-2842.	4.5	311
124	Structure-Activity Relationship Among Purpurinimides and Bacteriopurpurinimides: A Trifluoromethyl Substituent Enhanced the Photosensitizing Efficacy. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1754-1767.	2.9	51
125	Efficient Photodetection at IR Wavelengths by Incorporation of PbSe “Carbon-Nanotube Conjugates in a Polymeric Nanocomposite. <i>Advanced Materials</i> , 2007, 19, 232-236.	11.1	97
126	Synthesis of analogues of a flexible thiopyrylium photosensitizer for purging blood-borne pathogens and binding mode and affinity studies of their complexes with DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4406-4418.	1.4	24

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127	Organically Modified Silica Nanoparticles Co-encapsulating Photosensitizing Drug and Aggregation-Enhanced Two-Photon Absorbing Fluorescent Dye Aggregates for Two-Photon Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2007, 129, 2669-2675.	6.6	658
128	A Monomethine Cyanine Dye Cyan 40 for Two-photon-excited Fluorescence Detection of Nucleic Acids and Their Visualization in Live Cells. <i>Photochemistry and Photobiology</i> , 2007, 77, 138-145.	1.3	1
129	Light-Harvesting Chromophores with Metalated Porphyrin Cores for Tuned Photosensitization of Singlet Oxygen via Two-Photon Excited FRET. <i>Chemistry of Materials</i> , 2006, 18, 3682-3692.	3.2	112
130	Diacyllipid Micelle-Based Nanocarrier for Magnetically Guided Delivery of Drugs in Photodynamic Therapy. <i>Molecular Pharmaceutics</i> , 2006, 3, 415-423.	2.3	111
131	In Vivo Stability and Photodynamic Efficacy of Fluorinated Bacteriopurpurinimides Derived from Bacteriochlorophyll-a. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 1874-1881.	2.9	35
132	The nature of the electronic excitations capturing centres in the DNA. <i>Journal of Molecular Liquids</i> , 2006, 127, 79-83.	2.3	25
133	A General Approach to Binary and Ternary Hybrid Nanocrystals. <i>Nano Letters</i> , 2006, 6, 875-881.	4.5	593
134	Photosensitizers Derived from 132-Oxo-methyl Porphyrin: Enhanced Effect of Indium(III) as a Central Metal in In Vitro and In Vivo Photosensitizing Efficacy. <i>Photochemistry and Photobiology</i> , 2006, 82, 626.	1.3	37
135	Laser tweezer technique for study of gelation process. <i>Proceedings of SPIE</i> , 2005, 5736, 54.	0.8	0
136	Core-modified porphyrins. Part 4: Steric effects on photophysical and biological properties in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2235-2251.	1.4	88
137	Structure-activity studies of uptake and phototoxicity with heavy-chalcogen analogues of tetramethylrosamine in vitro in chemosensitive and multidrug-resistant cells. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6394-6403.	1.4	24
138	Optical tracking of organically modified silica nanoparticles as DNA carriers: A nonviral, nanomedicine approach for gene delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 279-284.	3.3	436
139	Aqueous Ferrofluid of Magnetite Nanoparticles: Fluorescence Labeling and Magnetophoretic Control. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3879-3885.	1.2	387
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