## Fluorescent peptides highlight peripheral nerves during

Nature Biotechnology 29, 352-356 DOI: 10.1038/nbt.1764

Citation Report

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 5  | Fluorescent probes for sensing and imaging. Nature Methods, 2011, 8, 642-645.   | 9.0  | 544       |
| 6  | Improved facial nerve identification with novel fluorescently labeled probe. Laryngoscope, 2011, 121, 805-810.  | 1.1  | 33        |
| 7  | Peptides targeting inflamed synovial vasculature attenuate autoimmune arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12857-12862. | 3.3  | 41        |
| 8  | Design of Peptide Imaging Agents for Whole-body and Intraoperative Molecular Imaging. Current<br>Medicinal Chemistry, 2012, 19, 3255-3265.  | 1.2  | 11        |
| 9  | Dual-mode laparoscopic fluorescence image-guided surgery using a single camera. Biomedical Optics<br>Express, 2012, 3, 1880.  | 1.5  | 29        |
| 10 | Compact fluorescence and white-light imaging system for intraoperative visualization of nerves. , 2012, 8207, .   |      | 7         |
| 11 | A compact fluorescence and white light imaging system for intraoperative visualization of nerves.<br>Proceedings of SPIE, 2012, , .   | 0.8  | 3         |
| 12 | A NIR dye for development of peripheral nerve targeted probes. MedChemComm, 2012, 3, 685.   | 3.5  | 25        |
| 13 | Intraoperative Fluorescence Imaging of Peripheral and Central Nerves Through a Myelin-Selective<br>Contrast Agent. Molecular Imaging and Biology, 2012, 14, 708-717.                      | 1.3  | 47        |
| 14 | Nerve Mapping for Prostatectomies: Novel Technologies Under Development. Journal of Endourology, 2012, 26, 769-777.   | 1.1  | 27        |
| 15 | Highlights from the 47th EUCHEM conference on stereochemistry, Bürgenstock, Switzerland, May 2012. Chemical Communications, 2012, 48, 11597.  | 2.2  | 0         |
| 16 | Amino acid and peptide bioconjugates. Amino Acids, Peptides and Proteins, 2012, , 1-39.   | 0.7  | 2         |
| 17 | Targeted imaging of activated caspase-3 in the central nervous system by a dual functional nano-device. Journal of Controlled Release, 2012, 163, 203-210.                                | 4.8  | 23        |
| 18 | M13 Phage-Functionalized Single-Walled Carbon Nanotubes As Nanoprobes for Second Near-Infrared<br>Window Fluorescence Imaging of Targeted Tumors. Nano Letters, 2012, 12, 1176-1183.      | 4.5  | 256       |
| 19 | Quantitative, spectrally-resolved intraoperative fluorescence imaging. Scientific Reports, 2012, 2, 798.  | 1.6  | 99        |
| 20 | Vision of Thyroid Surgery: Past, Present and Future. Journal of Korean Thyroid Association, 2012, 5, 1.   | 0.2  | 8         |
| 21 | Combinatorial Strategies in Fluorescent Probe Development. Chemical Reviews, 2012, 112, 4391-4420.  | 23.0 | 591       |
| 22 | Cell-penetrating peptides for the delivery of nucleic acids. Expert Opinion on Drug Delivery, 2012, 9, 823-836.   | 2.4  | 125       |

ATION REDO

CITATION REPORT

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 23 | Molecular Fluorescence, Phosphorescence, and Chemiluminescence Spectrometry. Analytical Chemistry, 2012, 84, 597-625.  | 3.2  | 83        |
| 24 | Automated measurement of nerve fiber density using line intensity scan analysis. Journal of<br>Neuroscience Methods, 2012, 206, 165-175.   | 1.3  | 44        |
| 25 | Peptides in cancer nanomedicine: Drug carriers, targeting ligands and protease substrates. Journal of<br>Controlled Release, 2012, 159, 2-13.  | 4.8  | 211       |
| 26 | Image-guided cancer surgery using near-infrared fluorescence. Nature Reviews Clinical Oncology, 2013, 10, 507-518.   | 12.5 | 1,121     |
| 27 | Fluorescence-guided surgery with live molecular navigation — a new cutting edge. Nature Reviews<br>Cancer, 2013, 13, 653-662.  | 12.8 | 488       |
| 28 | Fluorescence Imaging in Surgery. IEEE Reviews in Biomedical Engineering, 2013, 6, 178-187.   | 13.1 | 64        |
| 29 | Analysis of biomarker expression in severe endometriosis and determination of possibilities for targeted intraoperative imaging. International Journal of Gynecology and Obstetrics, 2013, 121, 35-40.             | 1.0  | 15        |
| 30 | Small-molecule fluorophores and fluorescent probes for bioimaging. Pflugers Archiv European<br>Journal of Physiology, 2013, 465, 347-359.  | 1.3  | 240       |
| 31 | Design and Construction of Supramolecular Nanobeacons for Enzyme Detection. ACS Nano, 2013, 7, 4924-4932.  | 7.3  | 78        |
| 32 | Dual-factor triggered fluorogenic nanoprobe for ultrahigh contrast and subdiffraction fluorescence imaging. Biomaterials, 2013, 34, 6194-6201.   | 5.7  | 13        |
| 33 | A comprehensive review of neuroanatomy of the prostate. Prostate International, 2013, 1, 1-7.  | 1.2  | 26        |
| 34 | Fluorescent Peptides Labeled with Environment-Sensitive 7-Aminocoumarins and Their Interactions<br>with Lipid Bilayer Membranes and Living Cells. Bulletin of the Chemical Society of Japan, 2013, 86,<br>510-519. | 2.0  | 17        |
| 35 | Structure-Activity Relationship of Nerve-Highlighting Fluorophores. PLoS ONE, 2013, 8, e73493.   | 1.1  | 31        |
| 36 | Molecular anatomy of the gut-brain axis revealed with transgenic technologies: implications in metabolic research. Frontiers in Neuroscience, 2013, 7, 134.  | 1.4  | 35        |
| 37 | Prototype Nerve-Specific Near-Infrared Fluorophores. Theranostics, 2014, 4, 823-833.   | 4.6  | 81        |
| 38 | Fluorescent Lectins for Local in Vivo Visualization of Peripheral Nerves. Molecules, 2014, 19, 9876-9892.  | 1.7  | 14        |
| 40 | A Macrophage-Specific Fluorescent Probe for Intraoperative Lymph Node Staging. Cancer Research, 2014, 74, 44-55.   | 0.4  | 19        |
| 41 | Fluorescent techniques in spine surgery. Neurological Research, 2014, 36, 928-938.   | 0.6  | 14        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 42 | Fast and robust reconstruction for fluorescence molecular tomography via a sparsity adaptive subspace pursuit method. Biomedical Optics Express, 2014, 5, 387.   | 1.5 | 50        |
| 43 | Optical multimodal probe for image guided surgery. , 2014, , .   |     | 0         |
| 44 | Differentiation between nerve and adipose tissue using wide-band (350-1,830 nm) <i>in vivo</i> diffuse reflectance spectroscopy. Lasers in Surgery and Medicine, 2014, 46, 538-545.  | 1.1 | 22        |
| 45 | Real-time near-infrared fluorescence guided surgery in gynecologic oncology: A review of the current state of the art. Gynecologic Oncology, 2014, 135, 606-613.   | 0.6 | 69        |
| 46 | Trends in Fluorescence Image-Guided Surgery for Gliomas. Neurosurgery, 2014, 75, 61-71.  | 0.6 | 84        |
| 47 | Intraoperative optical imaging and tissue interrogation during urologic surgery. Current Opinion in Urology, 2014, 24, 66-74.  | 0.9 | 23        |
| 48 | Separating the isomers—Efficient synthesis of the N-hydroxysuccinimide esters of 5 and<br>6-carboxyfluorescein diacetate and 5 and 6-carboxyrhodamine B. Bioorganic and Medicinal Chemistry<br>Letters, 2014, 24, 3186-3188. | 1.0 | 8         |
| 49 | Molecular imaging for cancer diagnosis and surgery. Advanced Drug Delivery Reviews, 2014, 66, 90-100.  | 6.6 | 265       |
| 50 | AS1411 aptamer-conjugated Gd2O3:Eu nanoparticles for target-specific computed tomography/magnetic resonance/fluorescence molecular imaging. Nano Research, 2014, 7, 658-669.   | 5.8 | 34        |
| 51 | FRETâ€based and other fluorescent proteinase probes. Biotechnology Journal, 2014, 9, 266-281.  | 1.8 | 46        |
| 52 | Fluorescent imaging of cancerous tissues for targeted surgery. Advanced Drug Delivery Reviews, 2014, 76, 21-38.  | 6.6 | 104       |
| 53 | Effective Dystrophin Restoration by a Novel Muscle-Homing Peptide–Morpholino Conjugate in<br>Dystrophin-Deficient mdx Mice. Molecular Therapy, 2014, 22, 1333-1341.  | 3.7 | 58        |
| 54 | Bacteriophage-Targeted Nanomedicine and Molecular Imaging. Frontiers in Nanobiomedical Research, 2014, , 267-307.  | 0.1 | 0         |
| 55 | Endomicroscopy and electromyography of neuromuscular junctions in situ. Annals of Clinical and Translational Neurology, 2014, 1, 867-883.  | 1.7 | 12        |
| 56 | Fluorescently Labeled Peptide Highlights Degenerated Facial Nerve Branches during Surgery.<br>Otolaryngology - Head and Neck Surgery, 2014, 151, P165-P166.  | 1.1 | 0         |
| 57 | Photothermal Response of Near-Infrared-Absorbing NanoGUMBOS. Applied Spectroscopy, 2014, 68, 340-352.  | 1.2 | 7         |
| 58 | Enhanced Reality and Intraoperative Imaging in Colorectal Surgery. Clinics in Colon and Rectal Surgery, 2015, 28, 158-164.   | 0.5 | 15        |
| 60 | Ex vivo peripheral nerve detection of rats by spontaneous Raman spectroscopy. Scientific Reports, 2015, 5, 17165.  | 1.6 | 35        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 61 | Increased precision of orthotopic and metastatic breast cancer surgery guided by matrix metalloproteinase-activatable near-infrared fluorescence probes. Scientific Reports, 2015, 5, 14197.                    | 1.6 | 27        |
| 62 | Fluorescence-Guided Probes of Aptamer-Targeted Gold Nanoparticles with Computed Tomography<br>Imaging Accesses for in Vivo Tumor Resection. Scientific Reports, 2015, 5, 15675.                                 | 1.6 | 73        |
| 63 | Optical Molecular Imaging Frontiers in Oncology: The Pursuit of Accuracy and Sensitivity.<br>Engineering, 2015, 1, 309-323.   | 3.2 | 53        |
| 64 | Fluorescently-tagged anti-ganglioside antibody selectively identifies peripheral nerve in living animals. Scientific Reports, 2015, 5, 15766.   | 1.6 | 19        |
| 65 | 1.17 References. , 2015, , .  |     | 0         |
| 66 | Systemically Administered, Target Organ-Specific Therapies for Regenerative Medicine. International<br>Journal of Molecular Sciences, 2015, 16, 23556-23571.  | 1.8 | 13        |
| 67 | Fluorescently Labeled Peptide Increases Identification of Degenerated Facial Nerve Branches during Surgery and Improves Functional Outcome. PLoS ONE, 2015, 10, e0119600.                                       | 1.1 | 31        |
| 68 | Improved Intraoperative Visualization of Nerves through a Myelin-Binding Fluorophore and<br>Dual-Mode Laparoscopic Imaging. PLoS ONE, 2015, 10, e0130276.   | 1.1 | 25        |
| 69 | Interventional Nerve Visualization via the Intrinsic Anisotropic Optical Properties of the Nerves. , 2015, , .  |     | 0         |
| 72 | Interventional nerve visualization via the intrinsic anisotropic optical properties of the nerves. , 2015, , .  |     | 1         |
| 73 | Interventional multispectral photoacoustic imaging with a clinical ultrasound probe for<br>discriminating nerves and tendons: an <i>ex vivo</i> pilot study. Journal of Biomedical Optics, 2015, 20,<br>110503. | 1.4 | 43        |
| 74 | A Novel Region Reconstruction Method for Fluorescence Molecular Tomography. IEEE Transactions on Biomedical Engineering, 2015, 62, 1818-1826.   | 2.5 | 50        |
| 75 | TRPV1 Agonist Cytotoxicity for Chronic Pain Relief. , 2015, , 99-118.   |     | 0         |
| 76 | Design and assembly of supramolecular dual-modality nanoprobes. Nanoscale, 2015, 7, 9462-9466.  | 2.8 | 16        |
| 77 | Noninvasive Imaging of Peripheral Nerves. Cells Tissues Organs, 2014, 200, 69-77.   | 1.3 | 38        |
| 78 | In vivo wide-field reflectance/fluorescence imaging and polarization-sensitive optical coherence<br>tomography of human oral cavity with a forward-viewing probe. Biomedical Optics Express, 2015, 6,<br>524.   | 1.5 | 23        |
| 79 | Polymeric Micelles as Carriers for Nerve-Highlighting Fluorescent Probe Delivery. Molecular<br>Pharmaceutics, 2015, 12, 4386-4394.  | 2.3 | 25        |
| 80 | Nearâ€Infrared Fluorescence Imaging for Realâ€Time Intraoperative Anatomical Guidance in Minimally<br>Invasive Surgery: A Systematic Review of the Literature. World Journal of Surgery, 2015, 39, 1069-1079.   | 0.8 | 70        |

|    |   | CITATION REPORT                   |      |           |
|----|---|-----------------------------------|------|-----------|
| #  | ARTICLE   |                                   | IF   | CITATIONS |
| 81 | Facial nerve identification with fluorescent dye in rats. Acta Cirurgica Brasileira, 2016, 31,  | , 92-102.                         | 0.3  | 8         |
| 82 | Visualization of prostatic nerves by polarization-sensitive optical coherence tomography.<br>Optics Express, 2016, 7, 3170.   | Biomedical                        | 1.5  | 11        |
| 83 | Intraoperative Fluorescence Imaging for Personalized Brain Tumor Resection: Current Sta<br>Future Directions. Frontiers in Surgery, 2016, 3, 55.                                    | te and                            | 0.6  | 109       |
| 84 | Improved facial nerve identification during parotidectomy with fluorescently labeled pept<br>Laryngoscope, 2016, 126, 2711-2717.  | ide.                              | 1.1  | 16        |
| 85 | Optical technologies for intraoperative neurosurgical guidance. Neurosurgical Focus, 201  | .6, 40, E8.                       | 1.0  | 96        |
| 86 | Review of fluorescence guided surgery systems: identification of key performance capabi<br>indocyanine green imaging. Journal of Biomedical Optics, 2016, 21, 080901.               | ities beyond                      | 1.4  | 315       |
| 88 | Laminin targeting of a peripheral nerve-highlighting peptide enables degenerated nerve vi<br>Proceedings of the National Academy of Sciences of the United States of America, 2016, | sualization.<br>113, 12774-12779. | 3.3  | 26        |
| 89 | Quantifying Demyelination in NK venom treated nerve using its electric circuit model. Sci<br>Reports, 2016, 6, 22385.   | entific                           | 1.6  | 5         |
| 90 | Interventional multispectral photoacoustic imaging with a clinical linear array ultrasound guiding nerve blocks. Proceedings of SPIE, 2016, , .                                     | probe for                         | 0.8  | 5         |
| 91 | Simultaneous real-time multicomponent fluorescence and reflectance imaging method for fluorescence-guided surgery. Optics Letters, 2016, 41, 1173.                                  | pr                                | 1.7  | 6         |
| 92 | Fluorescent-Guided Surgical Resection of Glioma with Targeted Molecular Imaging Agent<br>Literature Review. World Neurosurgery, 2016, 90, 154-163.                                  | s: A                              | 0.7  | 31        |
| 93 | Light in diagnosis, therapy and surgery. Nature Biomedical Engineering, 2017, 1, .  |                                   | 11.6 | 523       |
| 94 | Systemically Administered, Target-Specific Therapeutic Recombinant Proteins and Nanop Regenerative Medicine. ACS Biomaterials Science and Engineering, 2017, 3, 1273-1282.          | articles for                      | 2.6  | 15        |
| 95 | Nature-inspired DNA switches: applications in medicine. Nanomedicine, 2017, 12, 175-17  | '9.                               | 1.7  | 12        |
| 96 | Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Delivery. Advanced Materials, 2017, 29, 1700244.   | Vivo Drug                         | 11.1 | 186       |
| 97 | Rapid and accurate peripheral nerve imaging by multipoint Raman spectroscopy. Scientifi<br>2017, 7, 845.  | c Reports,                        | 1.6  | 23        |
| 98 | Smart NIR linear and nonlinear optical nanomaterials for cancer theranostics: Prospects ir photomedicine. Progress in Materials Science, 2017, 88, 89-135.                          | 1                                 | 16.0 | 84        |
| 99 | Optical Surgical Navigation for Precision in Tumor Resections. Molecular Imaging and Bio 19, 357-362.   | logy, 2017,                       | 1.3  | 47        |

ARTICLE IF CITATIONS # Spectral and temporal multiplexing for multispectral fluorescence and reflectance imaging using 100 1.7 13 two color sensors. Optics Express, 2017, 25, 12812. Structure-Inherent Targeting of Near-Infrared Fluorophores for Image-Guided Surgery. Chonnam Medical Journal, 2017, 53, 95. 102 Fluorescence-Guided Surgery. Frontiers in Oncology, 2017, 7, 314. 1.3 249 Rapid fluorescence imaging of spinal cord following epidural administration of a nerve-highlighting fluorophore. Theranostics, 2017, 7, 1863-1874. Imageâ€guided surgery in cancer: A strategy to reduce incidence of positive surgical margins. Wiley 104 6.6 60 Interdisciplinary Reviews: Systems Biology and Medicine, 2018, 10, e1412. Peptide-based nanoprobes for molecular imaging and disease diagnostics. Chemical Society Reviews, 18.7 2018, 47, 3490-3529. Fluorescent peptide highlights micronodules in murine hepatocellular carcinoma models and humans 106 3.6 14 in vitro. Hepatology, 2018, 68, 1391-1411. Near-infrared fluorescence image-guidance in plastic surgery: A systematic review. European Journal 0.3 of Plastic Surgery, 2018, 41, 269-278. Fluorescence-guided surgery of cancer: applications, tools and perspectives. Current Opinion in 108 2.8 55 Chemical Biology, 2018, 45, 64-72. Peptides for optical medical imaging and steps towards therapy. Bioorganic and Medicinal Chemistry, 109 1.4 2018, 26, 2816-2826. Recent methodology advances in fluorescence molecular tomography. Visual Computing for Industry, 110 2.2 29 Biomedicine, and Art, 2018, 1, 1. In vivo nerve identification in head and neck surgery using diffuse reflectance spectroscopy. Laryngoscope Investigative Otolaryngology, 2018, 3, 349-355. 0.6 Nerve-targeted probes for fluorescence-guided intraoperative imaging. Theranostics, 2018, 8, 112 4.6 51 4226-4237. A practical guide for the use of indocyanine green and methylene blue in fluorescence  $\hat{e}_g$  uided abdominal surgery. Journal of Surgical Oncology, 2018, 118, 283-300. 0.8 Near-infrared Intraoperative Imaging of Thoracic Sympathetic Nerves: From Preclinical Study to 114 4.6 41 Clinical Trial. Theranostics, 2018, 8, 304-313. Coherent anti-Stokes Raman scattering rigid endoscope toward robot-assisted surgery. Biomedical Optics Express, 2018, 9, 387. Proteomic Analysis of Pelvic Autonomic Nerve in Nerve-sparing Radical Hysterectomy for Cervical 116 1.0 3 Carcinoma. Cancer Genomics and Proteomics, 2018, 15, 337-342. Anchor peptide captures, targets, and loads exosomes of diverse origins for diagnostics and therapy. 5.8 248 Science Translational Medicine, 2018, 10, .

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 118 | Detection of Sentinel Lymph Nodes with Near-Infrared Imaging in Malignancies. Molecular Imaging and<br>Biology, 2019, 21, 219-227.  | 1.3 | 31        |
| 119 | Fluorescence Guidance in Surgical Oncology: Challenges, Opportunities, and Translation. Molecular<br>Imaging and Biology, 2019, 21, 200-218.  | 1.3 | 54        |
| 120 | Fluorescence Imaging of Peripheral Nerves by a Na <sub>v</sub> 1.7-Targeted Inhibitor Cystine Knot<br>Peptide. Bioconjugate Chemistry, 2019, 30, 2879-2888.   | 1.8 | 20        |
| 121 | MemBright: A Family of Fluorescent Membrane Probes for Advanced Cellular Imaging and Neuroscience. Cell Chemical Biology, 2019, 26, 600-614.e7.   | 2.5 | 128       |
| 122 | Fluorescence Molecular Imaging of Medicinal Chemistry in Cancer. Topics in Medicinal Chemistry, 2019, , 1-31.   | 0.4 | 1         |
| 123 | Shortwave infrared fluorescence <i>in vivo</i> imaging of nerves for minimizing the risk of intraoperative nerve injury. Nanoscale, 2019, 11, 19736-19741.  | 2.8 | 13        |
| 124 | Fluorescence Imaging of Nerves During Surgery. Annals of Surgery, 2019, 270, 69-76.   | 2.1 | 52        |
| 125 | A prediction model relating the extent of intraoperative fascia preservation to erectile dysfunction after nerve-sparing robot-assisted radical prostatectomy. Journal of Robotic Surgery, 2019, 13, 455-462.                               | 1.0 | 10        |
| 126 | Red fluorescent AuNDs with conjugation of cholera toxin subunit B (CTB) for extended-distance retro-nerve transporting and long-time neural tracing. Acta Biomaterialia, 2020, 102, 394-402.  | 4.1 | 19        |
| 127 | Exploiting molecular probes to perform nearâ€infrared fluorescenceâ€guided surgery. View, 2020, 1,<br>20200068.   | 2.7 | 29        |
| 128 | Recent Advances in Intraoperative Nerve Bioimaging: Fluorescenceâ€Guided Surgery for Nerve<br>Preservation. Small Structures, 2020, 1, 2000036.   | 6.9 | 26        |
| 129 | Headâ€Mounted Devices for Noninvasive Cancer Imaging and Intraoperative Imageâ€Guided Surgery.<br>Advanced Functional Materials, 2020, 30, 2000185.   | 7.8 | 7         |
| 130 | Near-infrared nerve-binding fluorophores for buried nerve tissue imaging. Science Translational<br>Medicine, 2020, 12, .  | 5.8 | 50        |
| 131 | Downshifting nanoprobes with follicle stimulating hormone peptide fabrication for highly efficient<br>NIR II fluorescent bioimaging guided ovarian tumor surgery. Nanomedicine: Nanotechnology, Biology,<br>and Medicine, 2020, 28, 102198. | 1.7 | 13        |
| 132 | Sight and switch off: Nerve density visualization for interventions targeting nerves in prostate cancer. Science Advances, 2020, 6, eaax6040.   | 4.7 | 28        |
| 133 | Systemically Administered, Target-Specific, Multi-Functional Therapeutic Recombinant Proteins in<br>Regenerative Medicine. Nanomaterials, 2020, 10, 226.  | 1.9 | 13        |
| 134 | Application of Fluorescent Dyes in Visceral Surgery: State of the Art and Future Perspectives. Visceral Medicine, 2020, 36, 80-87.  | 0.5 | 17        |
| 135 | Functional peptide-based drug delivery systems. Journal of Materials Chemistry B, 2020, 8, 6517-6529.   | 2.9 | 42        |

ARTICLE IF CITATIONS Bacteriophages in Nanotechnology: History and Future., 2021, , 657-687. 3 136 Fluorescein-guided removal of peripheral nerve sheath tumors: a preliminary analysis of 20 cases. Journal of Neurosurgery, 2021, 134, 260-269. Bimodal Imaging of Mouse Peripheral Nerves with Chlorin Tracers. Molecular Pharmaceutics, 2021, 18, 138 2.3 3 940-951. Nerve spectroscopy: understanding peripheral nerve autofluorescence through photodynamics. 1.3 Surgical Endoscopy and Other Interventional Techniques, 2021, 35, 7104-7111. Ultrasmall Red Fluorescent Gold Nanoclusters for Highly Biocompatible and Longâ€Time Nerve Imaging. 140 1.2 6 Particle and Particle Systems Characterization, 2021, 38, 2100001. Nerve autofluorescence in near-ultraviolet light markedly enhances nerve visualization in vivo. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 1999-2005. 1.3 Near-infrared intraoperative imaging of pelvic autonomic nerves: a pilot study. Surgical Endoscopy 142 1.3 7 and Other Interventional Techniques, 2022, 36, 2349-2356. Intraoperative visualization of nerves using a myelin protein-zero specific fluorescent tracer. EJNMMI 143 1.1 Research, 2021, 11, 50. The Chimeric Scapulodorsal Vascularized Latissimus Dorsi Nerve Flap for Immediate Reconstruction 144 of Total Parotidectomy Defects With Facial Nerve Sacrifice. Annals of Plastic Surgery, 2021, 86, 0.5 3 S379-S383. Molecular imaging and disease theranostics with renal-clearable optical agents. Nature Reviews 146 23.3 223 Materials, 2021, 6, 1095-1113. A Promising NIRâ€II Fluorescent Sensor for Peptideâ€Mediated Longâ€Term Monitoring of Kidney 147 7.2 66 Dysfunction. Angewandte Chemie - International Edition, 2021, 60, 15809-15815. A Promising NIRâ€II Fluorescent Sensor for Peptideâ€Mediated Longâ€Term Monitoring of Kidney Dysfunction. Angewandte Chemie, 2021, 133, 15943-15949. 148 1.6 Glioblastoma multiforme (GBM): An overview of current therapies and mechanisms of resistance. 149 3.1 196 Pharmacological Research, 2021, 171, 105780. Probing Vasculature by In Vivo Phage Display for Target Organ-Specific Delivery in Regenerative 0.1 Medicine. Reference Series in Biomedical Engineering, 2021, , 179-204. 151 Intraoperative Optical Imaging., 2014, , 233-245. 1 Current and new fluorescent probes for fluorescence-guided surgery., 2020, , 75-114. Cranial nerve contrast using nerve-specific fluorophores improved by paired-agent imaging with 154 1.4 4 indocyanine green as a control agent. Journal of Biomedical Optics, 2017, 22, 1. In vivo nerve-specificity of rhodamines and Si-rhodamines., 2020, 11222, .

| $\sim$ |      | <u> </u>    |      |
|--------|------|-------------|------|
|        |      |             | ЪΤ   |
| $\sim$ | ITAL | <b>KLPU</b> | IN I |

| #  | Article   | IF                | CITATIONS                                 |
|--|---|-------------------|---|
| 156  | Fluorescence labeling of a NaV1.7-targeted peptide for near-infrared nerve visualization. EJNMMI<br>Research, 2020, 10, 49.   | 1.1               | 10  |
| 157  | Precision prostate cancer surgery: an overview of new technologies and techniques. Minerva<br>Urologica E Nefrologica = the Italian Journal of Urology and Nephrology, 2019, 71, 487-501.   | 3.9               | 37  |
| 159  | Near infrared fluorescence for image-guided surgery. Quantitative Imaging in Medicine and Surgery, 2012, 2, 177-87.   | 1.1               | 110                                       |
| 160  | Antibody-based neuronal and axonal delivery vectors for targeted ligand delivery. Neural<br>Regeneration Research, 2016, 11, 712.   | 1.6               | 1   |
| 161  | Fluorescent Biosensors –Promises for Personalized Medicine. Journal of Biosensors & Bioelectronics, 2012, 03, .   | 0.4               | 4   |
| 162  | Recent advancements in peripheral nerve-specific fluorescent compounds. Biomaterials Science, 2021,<br>9, 7799-7810.  | 2.6               | 2   |
| 163  | Nerve autofluorescence under near-ultraviolet light: cutting-edge technology for intra-operative neural tissue visualization in 17 patients. Surgical Endoscopy and Other Interventional Techniques, 2021, , 1.   | 1.3               | 7   |
| 165  | Simultaneous Color Imaging and Fluorescence Detection using a Single Camera Sensor. , 2016, , .   |                   | 0   |
| 166  | Fluorescent Tracers, Hybrid Tracers. , 2016, , 449-462.   |                   | 0   |
|  |   |                   |   |
| 167  | Bacteriophages in Nanotechnology: History and Future. , 2018, , 1-31.   |                   | 0   |
| 167<br>168   | Bacteriophages in Nanotechnology: History and Future. , 2018, , 1-31.<br>Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation. , 2018, , .   |                   | 0   |
| 167<br>168<br>169  | Bacteriophages in Nanotechnology: History and Future. , 2018, , 1-31.<br>Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation. , 2018, , .<br>Optics in surgery: the surgeon perspective. , 2018, , .  |                   | 0<br>0<br>1                               |
| 167<br>168<br>169<br>170   | Bacteriophages in Nanotechnology: History and Future., 2018,, 1-31.         Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation., 2018,,.         Optics in surgery: the surgeon perspective., 2018,,.         Reconstruction method for fluorescence molecular tomography based on L1-norm primal accelerated proximal gradient. Journal of Biomedical Optics, 2018, 23, 1.  | 1.4               | 0<br>0<br>1<br>5                          |
| 167<br>168<br>169<br>170   | Bacteriophages in Nanotechnology: History and Future. , 2018, , 1-31.         Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation. , 2018, , .         Optics in surgery: the surgeon perspective. , 2018, , .         Reconstruction method for fluorescence molecular tomography based on L1-norm primal accelerated proximal gradient. Journal of Biomedical Optics, 2018, 23, 1.         Anatomy of the neurovascular bundle and methods of its preservation with nerve-sparing prostatectomy. IssledovaniÅ (I Praktika V Medicine, 2018, 5, 53-66.   | 1.4               | 0<br>0<br>1<br>5<br>0                     |
| 167<br>168<br>169<br>170<br>171  | Bacteriophages in Nanotechnology: History and Future., 2018, , 1-31.         Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation., 2018, , .         Optics in surgery: the surgeon perspective., 2018, , .         Reconstruction method for fluorescence molecular tomography based on L1-norm primal accelerated proximal gradient. Journal of Biomedical Optics, 2018, 23, 1.         Anatomy of the neurovascular bundle and methods of its preservation with nerve-sparing prostatectomy. IssledovaniA¢ I Praktika V Medicine, 2018, 5, 53-66.         Development of Time-Divided Liquid Crystal-Polarized Light Imaging System for Intraoperative Nerve Visualization. The Journal of Korean Institute of Information Technology, 2020, 18, 77-84.  | 1.4<br>0.1<br>0.1 | 0<br>0<br>1<br>5<br>0                     |
| 167<br>168<br>169<br>170<br>171<br>172   | Bacteriophages in Nanotechnology: History and Future. , 2018, , 1-31.         Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation. , 2018, , .         Optics in surgery: the surgeon perspective. , 2018, , .         Reconstruction method for fluorescence molecular tomography based on L1-norm primal accelerated proximal gradient. Journal of Biomedical Optics, 2018, 23, 1.         Anatomy of the neurovascular bundle and methods of its preservation with nerve-sparing prostatectomy. IssledovaniÅe I Praktika V Medicine, 2018, 5, 53-66.         Development of Time-Divided Liquid Crystal-Polarized Light Imaging System for Intraoperative Nerve Visualization. The Journal of Korean Institute of Information Technology, 2020, 18, 77-84.         Lead Optimization of Nerve-Specific Fluorophores for Image-Guided Nerve Sparing Surgical Procedures. , 2021,  | 1.4<br>0.1<br>0.1 | 0<br>0<br>1<br>5<br>0<br>0                |
| <ol> <li>167</li> <li>168</li> <li>169</li> <li>170</li> <li>171</li> <li>172</li> <li>173</li> <li>174</li> </ol> | Bacteriophages in Nanotechnology: History and Future., 2018, , 1-31.         Improved identification of cranial nerves using paired-agent imaging: topical staining protocol optimization through experimentation and simulation., 2018, , .         Optics in surgery: the surgeon perspective., 2018, , .         Reconstruction method for fluorescence molecular tomography based on L1-norm primal accelerated proximal gradient. Journal of Biomedical Optics, 2018, 23, 1.         Anatomy of the neurovascular bundle and methods of its preservation with nerve-sparing prostatectomy. IssledovaniÅt I Praktika V Medicine, 2018, 5, 53-66.         Development of Time-Divided Liquid Crystal-Polarized Light Imaging System for Intraoperative Nerve Visualization. The Journal of Korean Institute of Information Technology, 2020, 18, 77-84.         Lead Optimization of Nerve-Specific Fluorophores for Image-Guided Nerve Sparing Surgical Procedures., 2021, , .         Probing Vasculature by In Vivo Phage Display for Target Organ-Specific Delivery in Regenerative Medicine., 2020, , 1-26. | 1.4<br>0.1<br>0.1 | 0<br>0<br>1<br>2<br>3<br>0<br>0<br>0<br>0 |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 176 | Gold nanodots with stable red fluorescence for rapid dual-mode imaging of spinal cord and injury monitoring. Talanta, 2022, 241, 123241.  | 2.9 | 4         |
| 177 | The complementary value of intraoperative fluorescence imaging and Raman spectroscopy for cancer surgery: combining the incompatibles. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2364-2376. | 3.3 | 13        |
| 178 | Advances and future directions in the care of patients with facial paralysis. Operative Techniques in Otolaryngology - Head and Neck Surgery, 2022, 33, 60-71.  | 0.1 | 2         |
| 179 | Molecular imaging: The convergence of form and function. , 0, , 14-24.  |     | 1         |
| 181 | Longâ€Duration and Nonâ€Invasive Photoacoustic Imaging of Multiple Anatomical Structures in a Live<br>Mouse Using a Single Contrast Agent. Advanced Science, 2022, 9, .   | 5.6 | 6         |
| 182 | Preclinical evaluation of molecularly targeted fluorescent probes in perfused amputated human<br>limbs. Journal of Biomedical Optics, 2023, 28, .   | 1.4 | 4         |
| 183 | Clinical advancement of precision theranostics in prostate cancer. Frontiers in Oncology, 0, 13, .  | 1.3 | 1         |
| 185 | Approved and investigational fluorescent optical imaging agents for disease detection in surgery.<br>International Journal of Surgery, 2023, 109, 2378-2387.  | 1.1 | 1         |
| 192 | Fluorescence imaging of peripheral nerve function and structure. Journal of Materials Chemistry B, O,   | 2.9 | 0         |