

CITATION REPORT

List of articles citing

First-in-human liver-tumour surgery guided by multispectral fluorescence imaging in the visible and near-infrared-I/II windows

DOI: 10.1038/s41551-019-0494-0

Nature Biomedical Engineering, 2020, 4, 259-271.

Source: <https://exaly.com/paper-pdf/75225570/citation-report.pdf>

Version: 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
424	Construction and bioimaging application of novel indole heptamethine cyanines containing functionalized tetrahydropyridine rings. 2020 , 8, 9906-9912		11
423	A Dendron-Based Fluorescence Turn-On Probe for Tumor Detection. 2020 , 26, 13022-13030		2
422	live imaging of bone using shortwave infrared fluorescent quantum dots. 2020 , 12, 22022-22029		5
421	Gold Nanoclusters for NIR-II Fluorescence Imaging of Bones. 2020 , 16, e2003851		27
420	Cross-Link-Functionalized Nanoparticles for Rapid Excretion in Nanotheranostic Applications. 2020 , 132, 20733-20741		2
419	Cross-Link-Functionalized Nanoparticles for Rapid Excretion in Nanotheranostic Applications. 2020 , 59, 20552-20560		12
418	Intravesical Immunostimulatory Gel for Triple Therapy of Bladder Cancer. 2020 , 12, 54367-54377		13
417	Optical Imaging Modalities: Principles and Applications in Preclinical Research and Clinical Settings. 2020 , 61, 1419-1427		20
416	Advanced Fluorescence Imaging Technology in the Near-Infrared-II Window for Biomedical Applications. 2020 , 142, 14789-14804		201
415	Exploiting molecular probes to perform near-infrared fluorescence-guided surgery. 2020 , 1, 20200068		12
414	Materdicine: Interdiscipline of materials and medicine. 2020 , 1, 20200016		12
413	Molecular Fluorophores for Deep-Tissue Bioimaging. 2020 , 6, 1302-1316		56
412	NIR-II window tracking of hyperglycemia induced intracerebral hemorrhage in cerebral cavernous malformation deficient mice. 2020 , 8, 5133-5144		4
411	Functional organic dyes for health-related applications. 2020 , 1, 20200055		21
410	Recent advances on inorganic lanthanide-doped NIR-II fluorescence nanoprobe for bioapplication. 2020 , 228, 117627		18
409	Near-infrared-IIb probe affords ultrahigh contrast inflammation imaging.. 2020 , 10, 33602-33607		2
408	Tracking the in vivo spatio-temporal patterns of neovascularization via NIR-II fluorescence imaging. 2020 , 13, 3123-3129		5

407	NIR-II bioluminescence for in vivo high contrast imaging and in situ ATP-mediated metastases tracing. 2020 , 11, 4192		72
406	Multi-Wavelength Fluorescence in Image-Guided Surgery, Clinical Feasibility and Future Perspectives. 2020 , 19, 1536012120962333		16
405	The role of tissue fluorescence in in vivo optical bioimaging. 2020 , 128, 171101		7
404	Supramolecular ensembles modified by near-infrared dyes and their biological applications. 2020 , 8, 10686-10699		7
403	Shining Near-Infrared Light on Image-guided Liver Surgery. 2020 , 2, e204003		
402	Head-Mounted Devices for Noninvasive Cancer Imaging and Intraoperative Image-Guided Surgery. 2020 , 30, 2000185		2
401	Recent development of small-molecule organic fluorophores for multifunctional bioimaging in the second near-infrared window. 2020 , 225, 117338		19
400	High-Aspect-Ratio Plasmonic Heterostructures for In Vivo Enhanced Optical Coherence Tomography Imaging in the Second Near-Infrared Biological Window. 2020 , 8, 2000384		6
399	Rational Design of Near-Infrared-II Organic Molecular Dyes for Bioimaging and Biosensing. 2020 , 2, 905-917		52
398	Image-guided tumor surgery: The emerging role of nanotechnology. 2020 , 12, e1624		18
397	Multispectral image-guided surgery in patients. <i>Nature Biomedical Engineering</i> , 2020 , 4, 245-246	19	16
396	Translating a fluorescent DNA-repair inhibitor. <i>Nature Biomedical Engineering</i> , 2020 , 4, 247-249	19	1
395	Superstable homogeneous iodinated formulation technology: revolutionizing transcatheter arterial chemoembolization. 2020 , 65, 1685-1687		8
394	Light-free Generation of Singlet Oxygen through Manganese-Thiophene Nanosystems for pH-Responsive Chemiluminescence Imaging and Tumor Therapy. 2020 , 6, 2314-2334		60
393	Near-infrared fluorescence imaging in immunotherapy. 2020 , 167, 121-134		21
392	Ultralong-Circulating and Self-Targeting "Watson-Crick A = T"-Inspired Supramolecular Nanotheranostics for NIR-II Imaging-Guided Photochemotherapy. 2020 , 12, 32477-32492		3
391	A preliminary study of dual-band confocal laser endomicroscopy combined with image mosaic in the diagnosis of liver cancer. 2020 , 29, 102250		3
390	Novel NIR-II organic fluorophores for bioimaging beyond 1550 nm. 2020 , 11, 2621-2626		74

- 389 Rational design of semiconducting polymer brushes as cancer theranostics. **2020**, 7, 1474-1494 17
- 388 An NIR-II/MR dual modal nanoprobe for liver cancer imaging. **2020**, 12, 11510-11517 18
- 387 Novel anilino quinazoline-based EGFR tyrosine kinase inhibitors for treatment of non-small cell lung cancer. **2021**, 9, 443-455 2
- 386 Near-Infrared Boron Difluoride Formazanate Dyes. **2021**, 27, 2854-2860 4
- 385 Molecular Engineering of NIR-II Fluorophores for Improved Biomedical Detection. **2021**, 133, 16430-16444 15
- 384 Molecular Engineering of NIR-II Fluorophores for Improved Biomedical Detection. **2021**, 60, 16294-16308 92
- 383 Rapid Unperturbed-Tissue Analysis for Intraoperative Cancer Diagnosis Using an Enzyme-Activated NIR-II Nanoprobe. **2021**, 60, 2637-2642 26
- 382 Recent Advances of Organic Near-Infrared II Fluorophores in Optical Properties and Imaging Functions. **2021**, 23, 160-172 7
- 381 A New Class of NIR-II Gold Nanocluster-Based Protein Biolabels for In Vivo Tumor-Targeted Imaging. **2021**, 133, 1326-1332 5
- 380 Optimization of spatial resolution and scattering effects for biomedical fluorescence imaging by using sub-regions of the shortwave infrared spectrum. **2021**, 14, e202000345 4
- 379 Rapid Unperturbed-Tissue Analysis for Intraoperative Cancer Diagnosis Using an Enzyme-Activated NIR-II Nanoprobe. **2021**, 133, 2669-2674 5
- 378 A two-in-one Janus NIR-II AIEgen with balanced absorption and emission for image-guided precision surgery. **2021**, 10, 100087 10
- 377 Peptide functionalized upconversion/NIR II luminescent nanoparticles for targeted imaging and therapy of oral squamous cell carcinoma. **2021**, 9, 1000-1007 16
- 376 Tumor acidity-responsive carrier-free nanodrugs based on targeting activation ICG-templated assembly for NIR-II imaging-guided photothermal-chemotherapy. **2021**, 9, 1008-1019 5
- 375 Near-infrared-II activated inorganic photothermal nanomedicines. **2021**, 269, 120459 42
- 374 Fluorescence imaging in pediatric surgery: State-of-the-art and future perspectives. **2021**, 56, 655-662 5
- 373 A New Class of NIR-II Gold Nanocluster-Based Protein Biolabels for In Vivo Tumor-Targeted Imaging. **2021**, 60, 1306-1312 54
- 372 Resection and survival data from a clinical trial of glioblastoma multiforme-specific IRDye800-BBN fluorescence-guided surgery. **2021**, 6, e10182 7

371	Multispectral Imaging for Automated Tissue Identification of Normal Human Surgical Specimens. 2021 , 164, 328-335	4
370	Fused-Ring Small-Molecule-Based Bathochromic Nano-agents for Tumor NIR-II Fluorescence Imaging-Guided Photothermal/Photodynamic Therapy.. 2021 , 4, 1942-1949	4
369	uPAR targeted phototheranostic metal-organic framework nanoprobe for MR/NIR-II imaging-guided therapy and surgical resection of glioblastoma. 2021 , 198, 109386	8
368	Surgical Navigation for Malignancies Guided by Near-Infrared-II Fluorescence Imaging.. 2021 , 5, e2001066	19
367	Applications of indocyanine green in brain tumor surgery: review of clinical evidence and emerging technologies. 2021 , 50, E4	17
366	Development of pH-activatable fluorescent probes for rapid visualization of metastatic tumours and fluorescence-guided surgery topical spraying. 2021 , 57, 10636-10639	3
365	Gram-scale synthesis of a neodymium chelate as a spectral CT and second near-infrared window imaging agent for visualizing the gastrointestinal tract. 2021 , 9, 2285-2294	1
364	A narrative review of near-infrared fluorescence imaging in hepatectomy for hepatocellular carcinoma. 2021 , 9, 171	6
363	Nanobody-A versatile tool for cancer diagnosis and therapeutics. 2021 , 13, e1697	15
362	Principles and Practice of Intraoperative Fluorescence Imaging. 2021 , 143-152	
361	Rational design of a NIR-II fluorescent nanosystem with maximized fluorescence performance and applications. 2021 , 2, 6058-6067	1
360	Accurate tumor detection using plasmonic-enhanced shifted-excitation Raman difference spectroscopy (SERDS). 2021 , 11, 4090-4102	6
359	Double-acceptor conjugated polymers for NIR-II fluorescence imaging and NIR-II photothermal therapy applications. 2021 , 9, 1002-1008	22
358	Development of mesoporous silica-based nanoprobe for optical bioimaging applications. 2021 , 9, 3603-3620	7
357	Gathering brings strength: How organic aggregates boost disease phototheranostics. 2021 , 2, 95-113	58
356	Recent advances in design of lanthanide-containing NIR-II luminescent nanoprobe. 2021 , 24, 102062	17
355	Near-Infrared Light-Triggered Thermosensitive Liposomes Modified with Membrane Peptides for the Local Chemo/Photothermal Therapy of Melanoma. 2021 , 14, 1317-1329	2
354	Liposome trade-off strategy in mitochondria-targeted NIR-cyanine: balancing blood circulation and cell retention for enhanced anti-tumor phototherapy in vivo. 2021 , 14, 2432	6

353	Application of Near-Infrared Fluorescence Imaging Technology in Liver Cancer Surgery. 2021 , 1553350621997777	
352	Spectral imaging and spectral LIDAR systems: moving toward compact nanophotonics-based sensing. 2021 , 10, 1437-1467	8
351	Clinically Available Optical Imaging Technologies in Endoscopic Lesion Detection: Current Status and Future Perspective. 2021 , 2021, 7594513	3
350	Small Molecular NIR-II Fluorophores for Cancer Phototheranostics. 2021 , 2, 100082	35
349	Near-infrared Fluorophores for Thrombosis Diagnosis and Therapy. 2021 , 4, 2000278	4
348	Deep learning: step forward to high-resolution in vivo shortwave infrared imaging.	
347	Advances and Perspectives of Peptide and Polypeptide-Based Materials for Biomedical Imaging. 2021 , 1, 2000109	2
346	A Near-Infrared-II Polymer with Tandem Fluorophores Demonstrates Superior Biodegradability for Simultaneous Drug Tracking and Treatment Efficacy Feedback. 2021 , 15, 5428-5438	23
345	Targeted Luminescent Probes for Precise Upconversion/NIR II Luminescence Diagnosis of Lung Adenocarcinoma. 2021 , 93, 4984-4992	11
344	Endoglin/CD105-Based Imaging of Cancer and Cardiovascular Diseases: A Systematic Review. 2021 , 22,	2
343	Anatase Titanium Dioxide Imparts Photoluminescent Properties to PA2200 Commercial 3D Printing Material to Generate Complex Optical Imaging Phantoms. 2021 , 14,	1
342	Real-time intraoperative glioma diagnosis using fluorescence imaging and deep convolutional neural networks. 2021 , 48, 3482-3492	2
341	Development of Second Near-Infrared Photoacoustic Imaging Agents. 2021 , 3, 305-317	13
340	An Ultra-Stable, Oxygen-Supply Nanoprobe Emitting in Near-Infrared-II Window to Guide and Enhance Radiotherapy by Promoting Anti-Tumor Immunity. 2021 , 10, e2100090	5
339	Perfecting and extending the near-infrared biological window.	
338	Bioinspired tough gel sheath for robust and versatile surface functionalization. 2021 , 7,	17
337	Skin Complications of Diabetes Mellitus Revealed by Polarized Hyperspectral Imaging and Machine Learning. 2021 , 40, 1207-1216	16
336	Intraoperative hyperspectral label-free imaging: from system design to first-in-patient translation. 2021 , 54, 294003	5

335	Deep learning: step forward to high-resolution in vivo shortwave infrared imaging. 2021 , 14, e202100102	2
334	A review of the application of machine learning in molecular imaging. 2021 , 9, 825	3
333	Glutathione-triggered non-template synthesized porous carbon nanospheres serve as low toxicity targeted delivery system for cancer multi-therapy. 2021 , 32, 1765-1769	4
332	Photophysical Properties of Indocyanine Green in the Shortwave Infrared Region. 2021 , 5, 727-734	11
331	Medical Physics and Imaging: A Timely Perspective. 2021 , 9,	2
330	Visualizing Tumors in Real Time: A Highly Sensitive PSMA Probe for NIR-II Imaging and Intraoperative Tumor Resection. 2021 , 64, 7735-7745	2
329	Acute Toxicity, Biodistribution, and Pharmacokinetics Studies of Pegylated Platinum Nanoparticles in Mouse Model. 2021 , 1, 2000082	3
328	ZW800-PEG: A Renal Clearable Zwitterionic Near-Infrared Fluorophore for Potential Clinical Translation. 2021 , 133, 13966-13971	3
327	Bright Chromenylum Polymethine Dyes Enable Fast, Four-Color Imaging with Shortwave Infrared Detection. 2021 , 143, 6836-6846	30
326	Degradation of Drug Delivery Nanocarriers and Payload Release: A Review of Physical Methods for Tracing Nanocarrier Biological Fate. 2021 , 13,	2
325	ZW800-PEG: A Renal Clearable Zwitterionic Near-Infrared Fluorophore for Potential Clinical Translation. 2021 , 60, 13847-13852	10
324	In vivo multifunctional fluorescence imaging using liposome-coated lanthanide nanoparticles in near-infrared-II/IIa/IIb windows. 2021 , 38, 101120	14
323	Differential Responses of Transplanted Stem Cells to Diseased Environment Unveiled by a Molecular NIR-II Cell Tracker. 2021 , 2021, 9798580	3
322	Recent advances in microneedles for tumor therapy and diagnosis. 2021 , 23, 101036	4
321	Apo ferritin-Engineered Nanoprobe for Tumor-Targeted Triple-NIR Imaging and Phototherapy. 2021 , 93, 8835-8845	2
320	Recent advances in the targeted fluorescent probes for the detection of metastatic bone cancer. 2021 , 64, 1283-1296	4
319	NIR-II Fluorescence imaging for cerebrovascular diseases. 20200128	4
318	Metabolizable Near-Infrared-II Nanoprobes for Dynamic Imaging of Deep-Seated Tumor-Associated Macrophages in Pancreatic Cancer. 2021 , 15, 10010-10024	8

317	Structural design and synthesis of new MOO ₃ -x interlayer bi-functional nanomaterials for enhanced up-conversion luminescence properties. 2021 , 32, 2053-2063	1
316	Over 800 nm Emission via Harvesting of Triplet Excitons in Exciplex Organic Light-Emitting Diodes. 2021 , 12, 6034-6040	6
315	Responsive optical probes for deep-tissue imaging: Photoacoustics and second near-infrared fluorescence. 2021 , 173, 141-163	12
314	How molecular imaging will enable robotic precision surgery : The role of artificial intelligence, augmented reality, and navigation. 2021 , 48, 4201-4224	6
313	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. 2021 , 16, 1011-1018	83
312	Aggregation-Induced Emission Nanoprobes Working in the NIR-II Region: From Material Design to Fluorescence Imaging and Phototherapy. 2021 , 9, 2100859	6
311	Breakthrough instruments and products: Scientific imaging in the short-wave infrared with the NIRvana family of SWIR cameras. 2021 , 92, 079501	
310	A novel MGaGeO:N(M ²⁺ =Ca, Ba, Sr; N ³⁺ =Cr, Nd, Er) sub-micron phosphor with multiband NIR emissions: preparation, structure, properties, and LEDs. 2021 , 32,	0
309	Near-Infrared-II Cyanine/Polymethine Dyes, Current State and Perspective. 2021 , 9, 718709	10
308	Radiopharmaceutical and Eu doped gadolinium oxide nanoparticles mediated triple-excited fluorescence imaging and image-guided surgery. 2021 , 19, 212	2
307	Activatable Rare Earth Near-Infrared-II Fluorescence Ratiometric Nanoprobes. 2021 , 21, 6576-6583	13
306	Intraperitoneal Injection of Cyanine-Based Nanomicelles for Enhanced Near-Infrared Fluorescence Imaging and Surgical Navigation in Abdominal Tumors.. 2021 , 4, 5695-5706	2
305	Rare-earth Doped Nanoparticles with Narrow NIR-II Emission for Optical Imaging with Reduced Autofluorescence. 2021 , 37, 943-950	3
304	A hybrid erbium(III)-bacteriochlorin near-infrared probe for multiplexed biomedical imaging. 2021 , 20, 1571-1578	29
303	Aggregation-Induced Emission (AIE) Nanoparticles-Assisted NIR-II Fluorescence Imaging-Guided Diagnosis and Surgery for Inflammatory Bowel Disease (IBD). 2021 , e2101043	15
302	Application of nanotechnology in acute kidney injury: From diagnosis to therapeutic implications. 2021 , 336, 233-251	0
301	Upconversion NaYF:Yb/Er@silica-TPGS Bio-Nano Complexes: Synthesis, Characterization, and Tests for Labeling Cancer Cells. 2021 , 125, 9768-9775	1
300	Construction of a biotin-targeting drug delivery system and its near-infrared theranostic fluorescent probe for real-time image-guided therapy of lung cancer. 2021 ,	2

299	NIR-II Organic Nanotheranostics for Precision Oncotherapy. 2021 , 17, e2102646		15
298	Activatable luminescent probes for imaging brain diseases. 2021 , 39, 101239		1
297	PEG-Polymer Encapsulated Aggregation-Induced Emission Nanoparticles for Tumor Theranostics. 2021 , e2101036		12
296	NIR-II Fluorescent Brightness Promoted by "Ring Fusion" for the Detection of Intestinal Inflammation. 2021 , 27, 13085-13091		5
295	Folate receptor-targeted nanoprobes for molecular imaging of cancer: Friend or foe?. 2021 , 39, 101173		5
294	Fluorescence/photoacoustic imaging-guided nanomaterials for highly efficient cancer theragnostic agent. 2021 , 11, 15943		5
293	A phosphorescent probe for in vivo imaging in the second near-infrared window. <i>Nature Biomedical Engineering</i> , 2021 ,	19	9
292	Short-Wave Infrared Emitting Nanocomposites for Fluorescence-Guided Surgery. 2021 , 27, 1-7		
291	Molecular Design of Ultrabright Semiconducting Polymer Dots with High NIR-II Fluorescence for 3D Tumor Mapping. 2021 , e2100993		4
290	Second near-infrared (NIR-II) imaging: a novel diagnostic technique for brain diseases. 2021 ,		1
289	Fundamentals and developments in fluorescence-guided cancer surgery. 2021 ,		17
288	Diketopyrrolopyrrole derivatives-based NIR-II fluorophores for theranostics. 2021 , 193, 109480		5
287	A Small-Molecule Diketopyrrolopyrrole-Based Dye for in vivo NIR-IIa Fluorescence Bioimaging. 2021 , 27, 14240-14249		3
286	Serum lncRNA-ANRIL and SOX9 expression levels in glioma patients and their relationship with poor prognosis. 2021 , 19, 287		3
285	Harnessing the Power of Hybrid Light Propagation Model for Three-Dimensional Optical Imaging in Cancer Detection. 2021 , 11, 750764		
284	Near-infrared fluorescence imaging-guided lymphatic mapping in thoracic esophageal cancer surgery. 2021 , 1		2
283	Photofluorochromic water-dispersible nanoparticles for single-photon-absorption upconversion cell imaging. 2021 , 32,		0
282	Recent Progress on Molecular Photoacoustic Imaging with Carbon-Based Nanocomposites. 2021 , 14,		1

281	Fabrication of pure-drug microneedles for delivery of montelukast sodium. 2021 , 1	1
280	Perfecting and extending the near-infrared imaging window. 2021 , 10, 197	16
279	A HS-Triggered Dual-Modal Second Near-Infrared/Photoacoustic Intelligent Nanoprobe for Highly Specific Imaging of Colorectal Cancer. 2021 , 93, 13212-13218	2
278	Shielding Unit Engineering of NIR-II Molecular Fluorophores for Improved Fluorescence Performance and Renal Excretion Ability. 2021 , 9, 739802	1
277	Molecular Imaging-Guided Sonodynamic Therapy. 2021 ,	3
276	Near-infrared II emissive metal clusters: From atom physics to biomedicine. 2021 , 448, 214184	8
275	Biomarker-responsive nanoprobe with aggregation-induced emission for locating and guiding resection of deep-seated tumors via optoacoustic and NIR fluorescence imaging. 2021 , 5, 1962-1970	3
274	The facile preparation of solid-state fluorescent carbon dots with a high fluorescence quantum yield and their application in rapid latent fingerprint detection. 2021 , 50, 12188-12196	6
273	Targeted NIR-II emissive nanoprobes for tumor detection in mice and rabbits. 2021 , 57, 6420-6423	5
272	A novel lanthanide-based NIR-II nanoprobe for lung squamous cell carcinoma identification. 2021 , 9, 6568-6573	
271	Enhanced drug retention by anthracene crosslinked nanocomposites for bimodal imaging-guided phototherapy. 2021 , 13, 14713-14722	1
270	Current trends and key considerations in the clinical translation of targeted fluorescent probes for intraoperative navigation. 2021 , 2, e23	8
269	Pre-clinical development of fluorescent tracers and translation towards clinical application. 2021 ,	
268	Nanoparticles weaponized with built-in functions for imaging-guided cancer therapy. 2020 , 1, e19	17
267	Enhanced type I photoreaction of indocyanine green via electrostatic-force-driven aggregation. 2020 , 12, 9517-9523	11
266	Deep learning for in vivo near-infrared imaging. 2021 , 118,	15
265	near-infrared fluorescent optical imaging for CNS drug discovery. 2020 , 15, 903-915	8
264	Optical and magnetic resonance imaging approaches for investigating the tumour microenvironment: state-of-the-art review and future trends. 2021 , 32, 062001	8

263	Direct mapping from diffuse reflectance to chromophore concentrations in multi- spatial frequency domain imaging (SFDI) with a deep residual network (DRN). 2021 , 12, 433-443	7
262	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. 2020 , 2020, 4074593	19
261	Development of BODIPYS and aza-BODIPYs for molecular imaging applications: From the in vitro to the in vivo. 2021 , 78, 65-107	0
260	Estimating dynamic vascular perfusion based on Er-based lanthanide nanoprobes with enhanced down-conversion emission beyond 1500 nm. 2021 , 11, 9859-9872	2
259	Fluorescence imaging in the surgical management of liver cancers: Current status and future perspectives. 2021 ,	1
258	Versatile Types of Inorganic/Organic NIR-IIa/IIb Fluorophores: From Strategic Design toward Molecular Imaging and Theranostics. 2021 ,	34
257	Improved Discrimination of Tumors with Low and Heterogeneous EGFR Expression in Fluorescence-Guided Surgery Through Paired-Agent Protocols. 2021 , 1	1
256	Intraoperative near-infrared II window fluorescence imaging-assisted nephron-sparing surgery for complete resection of cystic renal masses. 2021 , 11, e604	2
255	An Enzyme-Activatable Aggregation-Induced-Emission Probe: Intraoperative Pathological Fluorescent Diagnosis of Pancreatic Cancer via Specific Cathepsin E. 2021 , e2107444	9
254	Engineering nanotheranostic strategies for liver cancer. 2021 , 13, 1213-1228	0
253	Optical Imaging in the Second Near Infrared Window for Vascular Bioimaging. 2021 , 17, e2103780	8
252	Protein enhanced NIR-IIb emission of indocyanine green for functional bioimaging.	
251	The Development of Nanoparticles for the Detection and Imaging of Ovarian Cancers. 2021 , 9,	
250	Near-Infrared Inorganic Nanomaterials for Precise Diagnosis and Therapy. 2021 , 9, 768927	1
249	Evaluation of N, O-Benzamide difluoroboron derivatives as near-infrared fluorescent probes to detect β amyloid and tau tangles. 2022 , 227, 113968	0
248	Recent Progresses in NIR-I/II Fluorescence Imaging for Surgical Navigation. 2021 , 9, 768698	0
247	Protein-Enhanced NIR-IIb Emission of Indocyanine Green for Functional Bioimaging.. 2020 , 3, 9126-9134	3
246	Near-infrared probes for luminescence lifetime imaging.. 2022 , 6, 91-102	1

245	Seeing the unseen: AIE luminogens for super-resolution imaging. 2022 , 451, 214279	9
244	Considerations for NIR-I and short-wave infrared (SWIR) fluorescence imaging within a clinical operating room. 2020 , 11222,	1
243	Differential responses of transplanted stem cells to the diseased environment unveiled by a single molecular NIR II cell tracker.	
242	MR/NIRF Dual-Mode Imaging of $\alpha_5\beta_1$ Integrin-Overexpressing Tumors Using a Lipopeptide-Based Contrast Agent. 2021 , 18, 4543-4552	0
241	Activatable Second Near-Infrared Fluorescent Probes: A New Accurate Diagnosis Strategy for Diseases. 2021 , 11,	0
240	A nitroreductase-responsive near-infrared phototheranostic probe for in vivo imaging of tiny tumor and photodynamic therapy. 2021 , 267, 120579	1
239	Recent advances in hepatocellular carcinoma therapeutic strategies and imaging-guided treatment. 2021 , 1-15	1
238	Dual modal fluorescent colposcope combined with near-infrared fluorescent dye TMTP1-PEG4-ICG to detect cervical lesions. 2020 , 11, 7120-7131	1
237	Smart NIR-II croconaine dye-peptide for enhanced photo-sonotheranostics of hepatocellular carcinoma.. 2022 , 12, 76-86	3
236	A NIR-II-emitting gold nanocluster-based drug delivery system for smartphone-triggered photodynamic theranostics with rapid body clearance. 2021 , 51, 96-96	1
235	Near-Infrared-II Quantum Dots for In Vivo Imaging and Cancer Therapy. 2021 , e2104567	1
234	Mesoporous Silica Nanoparticle-Based Imaging Agents for Hepatocellular Carcinoma Detection. 2021 , 9, 749381	0
233	Successful application of ICG fluorescence imaging technology in rectal neuroendocrine tumor liver metastasisS. 2021 , 37, 102653	1
232	Targeted fluorescent imaging of a novel FITC-labeled PSMA ligand in prostate cancer. 2021 , 1	1
231	Rapidly liver-clearable rare-earth core-shell nanoprobe for dual-modal breast cancer imaging in the second near-infrared window. 2021 , 19, 369	0
230	High-Performance Near-Infrared Aggregation-Induced Emission Luminogen with Mitophagy Regulating Capability for Multimodal Cancer Theranostics. 2021 ,	10
229	Metal-Based Aggregation-Induced Emission Theranostic Systems. 2021 ,	2
228	Acceptor engineering of small-molecule fluorophores for NIR-II fluorescence and photoacoustic imaging. 2021 ,	2

227	Near-infrared window II fluorescence image-guided surgery of high-grade gliomas prolongs the progression-free survival of patients. 2021 , PP,	3
226	Mitochondria-Targeting Phototheranostics by Aggregation-Induced NIR-II Emission Luminogens: Modulating Intramolecular Motion by Electron Acceptor Engineering for Multi-Modal Synergistic Therapy. 2110526	5
225	Subdural neural interfaces for long-term electrical recording, optical microscopy and magnetic resonance imaging.. 2021 , 281, 121352	3
224	Precise Examination of Peripheral Vascular Disease for Diabetics with a Novel Multiplexed NIR-II Fluorescence Imaging Technology. 2022 , 43, 101378	4
223	Large-scale optical pulling of cancer cells with counter-propagating beams in the near-infrared-II window. 2021 ,	
222	Biodegradable Fiducial Markers for Bimodal Near-Infrared Fluorescence- and X-ray-Based Imaging.. 2022 ,	0
221	NIR-II imaging of hepatocellular carcinoma based on a humanized anti-GPC3 antibody.. 2022 , 13, 90-97	1
220	Clinical application of fluorescent probes. 2022 ,	
219	Molecular fluorophores for in vivo bioimaging in the second near-infrared window.. 2022 , 1	0
218	Fluorescent probes for the detection of disease-associated biomarkers. 2022 ,	9
217	Activatable Persistent Luminescence from Porphyrin Derivatives and Supramolecular Probes with Imaging-Modality Transformable Characteristics for Improved Biological Applications**.	
216	Tumor-Associated Immune Cell Mediated Tumor Targeting Mechanism with NIR-II Fluorescence Imaging.. 2021 , e2106500	6
215	Activatable molecular probes for fluorescence-guided surgery, endoscopy and tissue biopsy.. 2021 ,	11
214	First clinical investigation of near-infrared window IIa/IIb fluorescence imaging for precise surgical resection of gliomas.. 2022 , PP,	1
213	Activatable Persistent Luminescence from Porphyrin Derivatives and Supramolecular Probes with Imaging-Modality Transformable Characteristics for Improved Biological Applications.. 2022 ,	1
212	Nanotechnology for cardiovascular diseases.. 2022 , 3, 100214	1
211	Molecular probes for fluorescence image-guided cancer surgery.. 2022 , 67, 102112	1
210	Activity-based NIR fluorescent probes based on the versatile hemicyanine scaffold: design strategy, biomedical applications, and outlook.. 2022 ,	22

209	Folic acid functionalized aggregation-induced emission nanoparticles for tumor cell targeted imaging and photodynamic therapy.. 2022 , 12, 4484-4489	0
208	Simultaneous Enhancement of the Long-Wavelength NIR-II Brightness and Photothermal Performance of Semiconducting Polymer Nanoparticles.. 2022 ,	4
207	Nanoplatform Self-Assembly From Small Molecules of Porphyrin Derivatives for NIR-II Fluorescence Imaging Guided Photothermal-Immunotherapy.. 2022 , e2102526	1
206	Optical Imaging of Epigenetic Modifications in Cancer: A Systematic Review. 1	0
205	Boron difluoride formazanate dye for high-efficiency NIR-II fluorescence imaging-guided cancer photothermal therapy. 2021 ,	9
204	Yb/Er/Ho-engineered rare earth fluoride nanoparticles to unlock multimodal in vivo medical imaging.	0
203	Efficacy of Near-Infrared Fluorescence-Guided Hepatectomy for the Detection of Colorectal Liver Metastases: A Randomized Controlled Trial.. 2022 , 234, 130-137	3
202	The Temperature Sensing Characteristics of Ba _{0.60} Sr _{0.40} TiO ₃ : X%Er ³⁺ Powders Based on Upconversion Luminescence.	
201	Magnetic and near-infrared-II fluorescence Au ₂₅ nanoclusters for imaging-guided sensitization of tumor radiotherapy. 2022 , 4, 1815-1826	2
200	Organic fluorescent nanoprobes with NIR-II characteristics for deep learning. 20210097	4
199	Thiolate Etching Route for the Ripening of Uniform Ag ₂ Te Quantum Dots Emitting in the Second Near-Infrared Window: Implication for Noninvasive In Vivo Imaging. 2022 , 5, 3415-3421	0
198	Targeted multicolor in vivo imaging over 1,000 nm enabled by nonamethine cyanines.. 2022 ,	5
197	The Design and Bioimaging Applications of NIR Fluorescent Organic Dyes with High Brightness. 2102514	8
196	Orthogonal Multiplexed NIR-II Imaging with Excitation-Selective Lanthanide-Based Nanoparticles.. 2022 ,	4
195	Intraoperative fluorescence molecular imaging accelerates the coming of precision surgery in China.. 2022 , 1	1
194	Near Infrared-II Fluorescent protein for In-vivo Imaging.	0
193	NIR-II Fluorescence Imaging Using Indocyanine Green Provides Early Prediction of Skin Avulsion-Injury in a Porcine Model.. 2022 , 15, 447-454	0
192	Molecular fluorescent probes for liver tumor imaging.. 2022 ,	1

191	A comprehensive review on LED-induced fluorescence in diagnostic pathology.. 2022 , 209, 114230	1
190	Highly thermal stable RNase A@PbS/ZnS quantum dots as NIR-IIb image contrast for visualizing temporal changes of microvasculature remodeling in flap.. 2022 , 20, 128	2
189	Spectrally tailored 'hyperpixel' filter arrays for imaging of chemical compositions. 2022 ,	1
188	Planting graphene quantum dots in PEGylated nanoparticles for enhanced and multimodal in vivo imaging of tumor.	0
187	Near-Infrared Fluorescence Tumor-Targeted Imaging in Lung Cancer: A Systematic Review.. 2022 , 12,	0
186	Aggregation-Induced Emission (AIE) in Super-resolution Imaging: Cationic AIE Luminogens (AIEgens) for Tunable Organelle-Specific Imaging and Dynamic Tracking in Nanometer Scale.. 2022 ,	2
185	A Review: Potential Application and Outlook of Photothermal Therapy in Oral Cancer Treatment.. 2022 ,	2
184	Development and Evaluation of Targeted Optical Imaging Probes for Image-Guided Surgery in Head and Neck Cancer. 2100196	0
183	Novel multifunctional NIR-II aggregation-induced emission nanoparticles-assisted intraoperative identification and elimination of residual tumor.. 2022 , 20, 143	2
182	Case Report: The Second Near-Infrared Window Indocyanine Green Angiography in Giant Mediastinal Tumor Resection.. 2022 , 9, 852372	
181	Spectral imaging enables contrast agent-free real-time ischemia monitoring in laparoscopic surgery.	0
180	High-Resolution Bioimaging of Bone Marrow and Fracture Diagnosis Using Lanthanide Nanoprobes with 1525 nm Emission.. 2022 ,	1
179	Recent Progress of Cyanine Fluorophores for NIR-II Sensing and Imaging.. 2022 ,	2
178	Core-multishell lanthanide-doped nanocomposite by one-pot synthesis for NIR-II emissions-based temperature sensing. 2022 , 164926	0
177	High-precision tumor resection down to few-cell level guided by NIR-IIb molecular fluorescence imaging.. 2022 , 119, e2123111119	2
176	Fabrication of tumor targeting rare-earth nanocrystals for real-time NIR-IIb fluorescence imaging-guided breast Cancer precise surgery.. 2022 , 102555	0
175	Nanochemistry advancing photon conversion in rare-earth nanostructures for theranostics. 2022 , 460, 214486	2
174	Extending optical chemical tools and technologies to mice by shifting to the shortwave infrared region.. 2022 , 68, 102131	0

173	High contrast 3-D optical bioimaging using molecular and nanoprobe optically responsive to IR light. 2022 , 962, 1-107	0
172	Pr:LGSB as a new nonlinear optical crystal: Czochralski growth and optical characterization. 2022 , 908, 164633	1
171	Engineering naphthalimide-cyanine integrated near-infrared dye into ROS-responsive nanohybrids for tumor PDT/PTT/chemotherapy.. 2022 , 14, 42-51	7
170	An activated excretion-retarded tumor imaging strategy towards metabolic organs.. 2022 , 14, 110-119	3
169	Above and Beyond Robotic Surgery and 3D Modelling in Paediatric Cancer Surgery.. 2021 , 9, 777840	2
168	Self-assembled NIR-II Fluorophores with Ultralong Blood Circulation for Cancer Imaging and Image-guided Surgery.. 2021 ,	8
167	NIR-II emissive AIEgen photosensitizers enable ultrasensitive imaging-guided surgery and phototherapy to fully inhibit orthotopic hepatic tumors.. 2021 , 19, 419	0
166	Modular Design of High-Brightness pH-Activatable Near-Infrared BODIPY Probes for Noninvasive Fluorescence Detection of Deep-Seated Early Breast Cancer Bone Metastasis: Remarkable Axial Substituent Effect on Performance.. 2021 , 7, 2039-2048	4
165	An Activatable Hybrid Organic-Inorganic Nanocomposite as Early Evaluation System of Therapy Effect. 2021 ,	2
164	Simultaneous Targeted Analysis of GGT and Its H-Type mRNA in HepG2 Cells Based on Degradable Silicon Nanomaterials. 2021 ,	0
163	An Activatable Hybrid Organic-Inorganic Nanocomposite as Early Evaluation System of Therapy Effect. 2022 , 134,	0
162	Intraoperative Glioma Grading Using Neural Architecture Search and Multi-modal Imaging.. 2022 , PP,	
161	Enhanced delivery of theranostic liposomes through NO-mediated tumor microenvironment remodeling.. 2022 ,	0
160	Baylis-Hillman Adducts as a Versatile Module for Constructing Fluorogenic Release System.. 2022 ,	2
159	NIR-II Navigation with an EGFR-Targeted Probe Improves Imaging Resolution and Sensitivity of Detecting Micrometastases in Esophageal Squamous Cell Carcinoma Xenograft Models.. 2022 ,	0
158	An APN-Activated Chemiluminescent Probe for Image-Guided Surgery of Malignant Tumors. 2102709	0
157	Aggregation-induced emission luminogens for assisted cancer surgery. 2022 , 464, 214552	3
156	Rational synthesis of IR820-albumin complex for NIR-II fluorescence imaging-guided surgical treatment of tumors and gastrointestinal obstruction.. 2022 , 12, 12136-12144	0

- 155 NIR-II imaging with ICG for identifying perforators, assessing flap status and predicting division timing of pedicled flaps in a porcine model.. **2022**, e202200061
- 154 Precisely translating computed tomography diagnosis accuracy into therapeutic intervention by a carbon-iodine conjugated polymer.. **2022**, 13, 2625 2
- 153 Outcome of Near-infrared Fluorescence-navigated Pulmonary Metastasectomy for Hepatocellular Carcinoma.. **2022**,
- 152 Artificial Intelligence for context-aware surgical guidance in complex robot-assisted oncological procedures: an exploratory feasibility study. 0
- 151 Optimization of ODAP-Urea-based dual-modality PSMA targeting probes for sequential PET-CT and optical imaging.. **2022**, 66, 116810
- 150 The temperature sensing characteristics of Ba_{0.60}Sr_{0.40}TiO₃: x% Er³⁺ powders based on upconversion luminescence. **2022**, 128, 112421 0
- 149 1064nm activatable semiconducting polymer-based nanoplatfrom for NIR-II fluorescence/NIR-II photoacoustic imaging guided photothermal therapy of orthotopic osteosarcoma. **2022**, 445, 136836 3
- 148 Sensitive and specific detection of breast cancer lymph node metastasis through dual-modality magnetic particle imaging and fluorescence molecular imaging: a preclinical evaluation.. **2022**, 0
- 147 Tunable and Enhanced NIR-II Luminescence from Heavily Doped Rare-Earth Nanoparticles for In Vivo Bioimaging. 1
- 146 A genetic engineering strategy for editing near-infrared-II fluorophores. **2022**, 13, 5
- 145 Impact of fluorescence based analytical techniques in cancer management: An update. **2022**, 18,
- 144 Application value of fluorescence visualization-assisted technology in the resection of liver cancer: A systematic review and meta-analysis. **2022**, 102940
- 143 Semiconductor Nanocrystals Emitting in the Second Near-Infrared Window: Optical Properties and Application in Biomedical Imaging. 2200226 3
- 142 Metallo-Dye-Based Supramolecular Nanoassembly for NIR-II Cancer Theranostics. 0
- 141 Safety of use of the ENDOSWIR near-infrared optical imaging device on human tissues: prospective blind study.
- 140 A clinical trial of super-stable homogeneous lipiodol-nanoICG formulation-guided precise fluorescent laparoscopic hepatocellular carcinoma resection. **2022**, 20, 2
- 139 Photostability investigation of a near-infrared-II heptamethine cyanine dye. **2022**, 126, 105903 0
- 138 Design of NIR-II high performance organic small molecule fluorescent probes and summary of their biomedical applications. **2022**, 468, 214609 3

137	AgAuSe quantum dots with absolute photoluminescence quantum yield of 87.2%: The effect of capping ligand chain length.	2
136	Light-activated photodeformable supramolecular dissipative self-assemblies. 2022 , 13,	5
135	Bioorthogonally activatable cyanine dye with torsion-induced disaggregation for in vivo tumor imaging. 2022 , 13,	4
134	Emerging Biomaterials Imaging Antitumor Immune Response. 2204034	1
133	Shortwave infrared spatial frequency domain imaging for non-invasive measurement of tissue and blood optical properties. 2022 , 27,	0
132	Ultra-bright green carbon dots with excitation-independent fluorescence for bioimaging.	2
131	Red/NIR/SWIR multi-band persistent probe chargeable by general lighting sources for long-term, high-contrast visible/NIR-I/NIR-II multi-window bioimaging. 2022 , 446, 137473	3
130	A facile phototheranostic nanoplatform integrating NIR-II fluorescence/PA bimodal imaging and image-guided surgery/PTT combinational therapy for improved antitumor efficacy. 2022 , 130, 208-218	0
129	An Improved Faster and Novel Methodology for Diabetes Ulcer Classification Based on Customized CNN. 2022 ,	
128	Recent Advances in Near-Infrared-II Fluorescence Imaging for Deep-Tissue Molecular Analysis and Cancer Diagnosis. 2202035	4
127	Visualisation of pelvic autonomic nerves using NIR-II fluorescence imaging.	0
126	PET/NIR-II fluorescence imaging and image-guided surgery of glioblastoma using a folate receptor targeted dual-modal nanoprobe.	1
125	Self-Sacrificially Degradable Pseudo-Semiconducting Polymer Nanoparticles that Integrate NIR-II Fluorescence Bioimaging, Photodynamic Immunotherapy and Photo-Activated Chemotherapy. 2203820	13
124	Current Strategies of Photoacoustic Imaging Assisted Cancer Theragnostics toward Clinical Studies.	0
123	Molecular engineering of AIE luminogens for NIR-II/IIb bioimaging and surgical navigation of lymph nodes. 2022 ,	5
122	Theranostic Radiolabeled Nanomaterials for Molecular Imaging and potential Immunomodulation Effects.	
121	Acceptor engineering for NIR-II dyes with high photochemical and biomedical performance. 2022 , 13,	4
120	Recent progress in upconversion nanomaterials for emerging optical biological applications. 2022 , 188, 114414	1

119	A novel NIR-II nanoprobe for precision imaging of micro-meter sized tumor metastases of multi-organs and skin flap. 2022 , 449, 137848	2
118	Polymeric dual-modal imaging nanoprobe with two-photon aggregation-induced emission for fluorescence imaging and gadolinium-chelation for magnetic resonance imaging. 2023 , 19, 538-549	5
117	NIR fluorescence imaging and treatment for cancer immunotherapy. 2022 , 10, e004936	1
116	In Vivo Imaging Evaluation of Fluorescence Intensity at Tail Emission of Near-Infrared-I (NIR-I) Fluorophores in a Porcine Model. 2022 , 12, 1123	1
115	TADF-based NIR-II semiconducting polymer dots for in vivo 3D bone imaging.	0
114	Recent Progress in Second Near-Infrared (NIR-II) Fluorescence Imaging in Cancer. 2022 , 12, 1044	0
113	Precision Navigation of Hepatic Ischemia/Reperfusion Injury Guided by Lysosomal Viscosity-Activatable NIR-II Fluorescence. 2022 , 144, 13586-13599	5
112	A Small-Molecule Based Organic Nanoparticle for Photothermal Therapy and Near-Infrared-IIb Imaging. 2022 , 14, 35454-35465	1
111	Multifunctional Imaging of Vessels, Brown Adipose Tissue, and Bones in the Visible and Second Near-infrared Region Using Dual-Emitting Polymer Dots. 2022 , 14, 37504-37513	
110	Membrane dual-targeting probes: A promising strategy for fluorescence-guided prostate cancer surgery and lymph node metastases detection. 2022 ,	1
109	Dual H ₂ O ₂ -Amplified Nanofactory for Simultaneous Self-Enhanced NIR-II Fluorescence Activation Imaging and Synergistic Tumor Therapy. 2203531	2
108	Fabrication of a phototheranostic nanoplatform for single laser-triggered NIR-II fluorescence imaging-guided photothermal/chemo/antiangiogenic combination therapy. 2022 ,	2
107	A novel weighted auxiliary set matching pursuit method for glioma in Cerenkov luminescence tomography reconstruction.	
106	Carbon Nanoparticles and Their Biomedical Applications. 2022 , 12, 7865	4
105	Application of a wavelength-swept laser for spectrally resolved wide-field near-infrared fluorescence imaging. 2022 , 1, 1768	
104	Tumor Lesion Detection in Patients with Cervical Cancer by Indocyanine Green Near-Infrared Imaging.	
103	First case report of spontaneous biliary pleural fistula diagnosed using near infrared region I/II fluorescence of indocyanine green. 12,	
102	Rational Molecular Engineering of Organic Semiconducting Nanoplatforms for Advancing NIR-II Fluorescence Theranostics. 2201067	1

101	A dual key-and-lock probe for high-fidelity visualizing leather-induced neuroinflammation process via an ICT-TICT integrated ratiometric two-photon platform. 2022 , 110664	0
100	Synchronous enhancement of upconversion and NIR-IIb photoluminescence of rare-earth nanoprobes for theranostics. 2022 , 30, 32459	1
99	Indocyanine green conjugated phototheranostic nanoparticle for photodiagnosis and photodynamic therapy. 2022 , 39, 103041	2
98	NIR-II bioimaging of small molecule fluorophores: From basic research to clinical applications. 2022 , 216, 114620	1
97	Emerging NIR-II luminescent bioprobes based on lanthanide-doped nanoparticles: From design towards diverse bioapplications. 2022 , 471, 214745	0
96	NIR-II and visible fluorescence hybrid imaging-guided surgery via aggregation-induced emission fluorophores cocktails. 2022 , 16, 100399	1
95	J-aggregates albumin-based NIR-II fluorescent dye nanoparticles for cancer phototheranostics. 2022 , 16, 100366	1
94	Biomimetic semiconducting polymer dots for highly specific NIR-II fluorescence imaging of glioma. 2022 , 16, 100383	3
93	Synthesis of novel halloysite@YF ₃ :Ce ³⁺ ,Tb ³⁺ nanocomposite for enhanced luminescent properties. 2022 , 33, 103775	0
92	NIR-II nano fluorescence image guided hepatic carcinoma resection on cirrhotic patient. 2022 , 40, 103098	0
91	The pursuit of polymethine fluorophores with NIR-II emission and high brightness for in vivo applications. 2022 , 13, 11280-11293	1
90	First Clinical Application in Microsurgery of Vascular Anastomoses and Flap Transplantation Via a Portable NIR-II Imaging System with ICG.	0
89	Robust emission in near-infrared II of lanthanide nanoprobes conjugated with Au (LNPs-Au) for temperature sensing and controlled photothermal therapy. 2023 , 452, 139504	1
88	Recent advances in HDAC-targeted imaging probes for cancer detection. 2022 , 1877, 188788	0
87	Near-infrared-II deep tissue fluorescence microscopy and application.	1
86	Tumor imaging and photothermal therapy in second near infrared window: A systematic review and meta-analysis. 12,	0
85	SERS/NIR-II Optical Nanoprobes for Multidimensional Tumor Imaging from Living Subjects, Pathology, and Single Cells and Guided NIR-II Photothermal Therapy. 2208028	0
84	An exploratory human study of superstable homogeneous lipiodol/indocyanine green formulation for precise surgical navigation in liver cancer.	1

83	Fluorescence Imaging in Second Near-infrared Window: Developments, Challenges, and Opportunities. 2200087	0
82	In Vivo Fluorescence Imaging. 1-29	0
81	Preclinical shortwave infrared tumor screening and resection via pHLIP ICG under ambient lighting conditions.	0
80	Bichromatic Imaging with Hemicyanine Fluorophores Enables Simultaneous Visualization of Non-alcoholic Fatty Liver Disease and Metastatic Intestinal Cancer. 2022 , 94, 13556-13565	3
79	Light-activated nanomaterials for tumor immunotherapy. 10,	1
78	P800SO3-PEG: a renal clearable bone-targeted fluorophore for theranostic imaging. 2022 , 26,	0
77	Repair of the Urethral Mucosa Defect Model Using Adipose-Derived Stem Cell Sheets and Monitoring the Fate of Indocyanine Green-Labeled Sheets by Near Infrared-II.	0
76	Revealing the sensing mechanism of a fluorescent pH probe based on a bichromophore approach.	0
75	BOIMPY-Based NIR-II Fluorophore with High Brightness and Long Absorption beyond 1000 nm for In Vivo Bioimaging: Synergistic Steric Regulation Strategy. 2022 , 16, 17424-17434	2
74	Polymethine Molecular Platform for Ratiometric Fluorescent Probes in the Second near-Infrared Window.	3
73	Polyatomic molecules with emission quantum yields >20% enable efficient organic light-emitting diodes in the NIR(II) window.	3
72	Miniature NIR-II Nanoprobes for Active-Targeted Phototheranostics of Brain Tumors. 2202379	2
71	A Precipitation-Enhanced Emission (PEE) Strategy for Increasing the Brightness and Reducing the Liver Retention of NIR-II Fluorophores. 2204153	0
70	Poly(Styrene-Co-Maleic Acid)-Conjugated 6-Aminofluorescein and Rhodamine Micelle as Macromolecular Fluorescent Probes for Micro-Tumors Detection and Imaging. 2022 , 12, 1650	0
69	NIR-II AIEgens with Photodynamic Effect for Advanced Theranostics. 2022 , 27, 6649	1
68	First clinical applications for the NIR-II imaging with ICG in microsurgery. 10,	0
67	Dual-mode near-infrared multispectral imaging system equipped with deep learning models improves the identification of cancer foci in breast cancer specimens.	0
66	NIR-II fluorescence visualization of ultrasound-induced blood-brain barrier opening for enhanced photothermal therapy against glioblastoma using indocyanine green microbubbles. 2022 ,	1

65	New and effective EGFR-targeted fluorescence imaging technology for intraoperative rapid determination of lung cancer in freshly isolated tissue.	0
64	Potential epidural anesthesia risk of spinal dural arteriovenous fistula diagnosed and evaluated by indocyanine green fluorescence. 2022 , 103162	0
63	Excitation-based fully connected network for precise NIR-II fluorescence molecular tomography.	0
62	Inhibition of Pro-Survival Autophagy Induced by Rare-Earth Nanocomposites for Promoting Photothermal Therapy of Visualized Tumors. 2202117	0
61	Near-infrared II hyperspectral imaging improves the accuracy of pathological sampling of multiple cancer specimens.	0
60	Conjugated/nonconjugated Alternating Copolymers for Enhanced NIR-II Fluorescence Imaging and NIR-II Photothermal-Ferrotherapy.	0
59	Near-Infrared Aggregation-Induced Emission Luminogens for In Vivo Theranostics of Alzheimer's Disease.	0
58	Near-Infrared Aggregation-Induced Emission Luminogens for In Vivo Theranostics of Alzheimer's Disease.	0
57	Identification of an IGF2BP2-Targeted Peptide for Near-Infrared Imaging of Esophageal Squamous Cell Carcinoma. 2022 , 27, 7609	0
56	Long-term monitoring of intravital biological processes using fluorescent protein-assisted NIR-II imaging. 2022 , 13,	0
55	In Vivo Imaging of Mammalian Embryos by NIR-I Photoacoustic Tomography and NIR-II Optical Coherence Tomography Using Gold Nanostars as Multifunctional Contrast Agents.	0
54	The experimental and theoretical research on the near infrared luminescent property of KAl ₁₁ O ₁₇ :Fe ³⁺ and RbAl ₁₁ O ₁₇ :Fe ³⁺ . 2022 , 100212	0
53	Design strategies and applications of smart optical probes in the second near-infrared window. 2023 , 192, 114637	1
52	AIE nanocrystals: Emerging nanolights with ultra-high brightness for biological application. 2023 , 477, 214944	1
51	Water-dispersed semiconducting polymer for NIR-II fluorescence imaging and NIR-II laser-triggered photothermal therapy. 2023 , 210, 110960	0
50	Efficient emitters in the NIR-II window. 2022 , 16, 812-813	0
49	Semiconducting Polymer Nanoparticles in the Second Near-Infrared Region for Biomedical Imaging and Therapy. 2202052	1
48	A rationally designed cancer vaccine based on NIR-II fluorescence image-guided light-triggered remote control of antigen cross-presentation and autophagy. 2022 ,	1

47	Adjustable near-infrared fluorescence lifetime emission of biocompatible rare-earth-doped nanoparticles for in vivo multiplexing. 2022 , 100225	0
46	Superstable homogeneous lipiodol-ICG formulation: Initial feasibility and first-in-human clinical application for ruptured hepatocellular carcinoma.	0
45	Image restoration for blurry optical images caused by photon diffusion with deep learning. 2023 , 40, 96	0
44	Repurposing organic semiconducting nanomaterials to accelerate clinical translation of NIR-II fluorescence imaging.	0
43	Rational Design of Asymmetric Polymethines to Attain NIR(II) Bioimaging at >1100 nm.	0
42	Photostable Small-Molecule NIR-II Fluorescent Scaffolds that Cross the BloodBrain Barrier for Noninvasive Brain Imaging.	1
41	Spectral and biodistributional engineering of deep near-infrared chromophore. 2023 , 108154	0
40	Enhanced glypican-3-targeted identification of hepatocellular carcinoma with liver fibrosis by pre-degrading excess fibrotic collagen. 2023 ,	0
39	Furan Donor for NIR-II Molecular Fluorophores with Enhanced Bioimaging Performance. 2023 , 6,	0
38	Second near-infrared window fluorescence nanoprobes for deep-tissue in vivo multiplexed bioimaging. 2023 , 193, 114697	0
37	Near-infrared luminescence high-contrast in vivo biomedical imaging. 2023 , 1, 60-78	1
36	Design of Zoom Optical System from Visible to NIR-II for Vivo Fluorescence Imaging Device. 2023 , 13, 1421	0
35	Novel Self-Assembled Multifunctional Nanoprobes for Second-Near-Infrared-Fluorescence-Image-Guided Breast Cancer Surgery and Enhanced Radiotherapy Efficacy. 2205294	0
34	Low-Dose NIR-II Preclinical Bioimaging Using Liposome-Encapsulated Cyanine Dyes. 2206544	0
33	Bright Tm ³⁺ -based downshifting luminescence nanoprobe operating around 1800 nm for NIR-IIb and c bioimaging. 2023 , 14,	0
32	NIR-II fluorescence nanoprobe based on Erbium for fallopian tube diseases diagnosis. 2023 , 227, 111726	0
31	An aggregation-induced emission photosensitizer with efficient singlet oxygen generation capacity for mitochondria targeted photodynamic therapy. 2023 , 213, 111181	0
30	A meta-analysis of short-term and long-term effects of indocyanine green fluorescence imaging in hepatectomy for liver cancer. 2023 , 42, 103497	0

- 29 PSSGAN: Towards spectrum shift based perceptual quality enhancement for fluorescence imaging. **2023**, 107, 102216 ○
- 28 Clinical advancement of precision theranostics in prostate cancer. 13, ○
- 27 Fluorescence Imaging-Guided Surgery. **2023**, 137-163 ○
- 26 Fluorescence image-guided tumour surgery. **2023**, 1, 161-179 ○
- 25 A glutathione-activated NIR-II fluorescent probe for precise localization of micrometastases. **2023**, 381, 133457 ○
- 24 Recent advances in lanthanide-doped up-conversion probes for theranostics. 11, ○
- 23 Activatable Lanthanide Nanoprobes with Dye-Sensitized Second Near-Infrared Luminescence for in Vivo Inflammation Imaging. **2023**, 95, 3761-3768 ○
- 22 Fluorescence molecular optomic signatures improve identification of tumors in head and neck specimens. 5, ○
- 21 Fluorescent Imaging In Vivo. **2023**, 597-647 ○
- 20 NIR-II fluorescence imaging-guided colorectal cancer surgery targeting CEACAM5 by a nanobody. **2023**, 89, 104476 ○
- 19 EDB-FN targeted probes for the surgical navigation, radionuclide imaging, and therapy of thyroid cancer. ○
- 18 Recent progress of second near-infrared (NIR-II) fluorescence microscopy in bioimaging. 14, ○
- 17 Ultrasensitive Urinary Diagnosis of Organ Injuries Using Time-Resolved Luminescent Lanthanide Nano-bioprobes. **2023**, 23, 1878-1887 ○
- 16 Dual-mode near-infrared multispectral imaging system equipped with deep learning models improves the identification of cancer foci in breast cancer specimens. ○
- 15 NIR-II semiconducting polymers for in vivo high-resolution imaging and theranostics. ○
- 14 Anti-Quenching NIR-II J-Aggregates of Benzo[c]thiophene Fluorophore for Highly Efficient Bioimaging and Phototheranostics. ○
- 13 Molecular imaging: design mechanism and bioapplications. ○
- 12 Metallacages and Covalent Cages for Biological Imaging and Therapeutics. **2023**, 5, 1061-1082 ○

- 11 Monitoring Neovascularization of Malignant Solid Tumors with Horseradish Peroxidase-Functionalized Near-Infrared-II PbS Quantum Dots. ○
- 10 Tracking tumor heterogeneity and progression with near-infrared II fluorophores. **2023**, 3, ○
- 9 NIR-II Imaging-Guided Mitochondrial-Targeting Organic Nanoparticles for Multimodal Synergistic Tumor Therapy. 2207995 ○
- 8 Single-dye NIR-II chemiluminescence system for H₂O₂ imaging. ○
- 7 BODIPY-Based Multifunctional Nanoparticles for Dual Mode Imaging-Guided Tumor Photothermal and Photodynamic Therapy. ○
- 6 In situ orderly self-assembly strategy affording NIR-II-J-aggregates for in vivo imaging and surgical navigation. **2023**, 14, ○
- 5 Identification of a novel peptide targeting TIGIT to evaluate immunomodulation of ¹²⁵I seed brachytherapy in HCC by near-infrared fluorescence. 13, ○
- 4 Single Atom-Engineered NIR-II Gold Clusters with Ultrahigh Brightness and Stability for Acute Kidney Injury. ○
- 3 Molecular Engineering of NIR-II/IIb Emitting AIEgen for Multimodal Imaging-Guided Photo-Immunotherapy. ○
- 2 NIR-II Imaging and Sandwiched Plasmonic Biosensor for Ultrasensitive Intraoperative Definition of Tumor-Invaded Lymph Nodes. ○
- 1 Tracking of Intestinal Probiotics In Vivo by NIR-IIb Fluorescence Imaging. ○