

Peter J Heard

List of Publications by Year in descending order

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160
papers

2,949
citations

257450

24
h-index

197818

49
g-index

160
all docs

160
docs citations

160
times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	A role for HKT1 in sodium uptake by wheat roots. <i>Plant Journal</i> , 2002, 32, 139-149.	5.7	250
2	Raman and conductivity studies of boron-doped microcrystalline diamond, faceted nanocrystalline diamond and cauliflower diamond films. <i>Diamond and Related Materials</i> , 2008, 17, 105-117.	3.9	237
3	Reduction of U(VI) to U(IV) on the surface of magnetite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5639-5646.	3.9	229
4	Small Fermi Surface Pockets in Underdoped High Temperature Superconductors: Observation of Shubnikov-deHaas Oscillations in YBa_2CuO_8 . <i>Physical Review Letters</i> , 2008, 100, 047004.	3.8	222
5	Raman and conductivity studies of boron doped microcrystalline diamond, faceted nanocrystalline diamond and cauliflower diamond films. <i>Chemical Physics Letters</i> , 2007, 446, 103-108.	2.6	183
6	Dry Hybrid Lipid-Silica Microcapsules Engineered from Submicron Lipid Droplets and Nanoparticles as a Novel Delivery System for Poorly Soluble Drugs. <i>Molecular Pharmaceutics</i> , 2009, 6, 861-872.	4.6	90
7	Etching characteristics of LiNbO3 in reactive ion etching and inductively coupled plasma. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	57
8	Determination of the elemental composition of mature wheat grain using a modified secondary ion mass spectrometer (SIMS). <i>Plant Journal</i> , 2002, 30, 237-245.	5.7	55
9	Towards new binary compounds: Synthesis of amorphous phosphorus carbide by pulsed laser deposition. <i>Journal of Solid State Chemistry</i> , 2013, 198, 466-474.	2.9	53
10	Deposition and properties of amorphous carbon phosphide films. <i>Diamond and Related Materials</i> , 2002, 11, 1041-1046.	3.9	52
11	Mechanical studies of single glass fibres recycled from hydrolysis process using sub-critical water. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 398-406.	7.6	44
12	Application of a focused ion beam system to defect repair of VLSI masks. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1985, 3, 87.	1.6	43
13	Anomalous Scaling for Thick Electrodeposited Films. <i>Physical Review Letters</i> , 2007, 98, 236101.	7.8	40
14	Focused ion beam-based fabrication of nanostructured photonic devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2005, 11, 1266-1277.	2.9	37
15	A new detection system for extremely small vertically mounted cantilevers. <i>Nanotechnology</i> , 2008, 19, 384002.	2.6	37
16	Use of novel methods for the investigation of the boron distribution in CVD diamond. <i>Acta Materialia</i> , 1999, 47, 4025-4030.	7.9	35
17	Thermal mapping of defects in AlGaIn-GaN heterostructure field-effect transistors using micro-Raman spectroscopy. <i>Applied Physics Letters</i> , 2005, 87, 103508.	3.3	34
18	Angular Dependence of Domain Wall Resistivity in Artificial Magnetic Domain Structures. <i>Physical Review Letters</i> , 2006, 97, 206602.	7.8	33

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19	The effects of calcium phosphate deposition upon corrosion of CoCr alloys and the potential for implant failure. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 365-373.	4.0	30
20	Focused ion beam repair techniques for clear and opaque defects in masks. <i>Microelectronic Engineering</i> , 1985, 3, 253-260.	2.4	29
21	The extraction of uranium from groundwaters on iron surfaces. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2005, 461, 1247-1259.	2.1	29
22	Dynamic SIMS analysis of cryo-prepared biological and geological specimens. <i>Applied Surface Science</i> , 2006, 252, 6793-6796.	6.1	28
23	Visualisation of the distribution of offset ink components printed onto coated paper. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 317, 557-567.	4.7	28
24	Complete polarisation control of GaAs gain-guided top-surface emitting vertical cavity lasers. <i>Electronics Letters</i> , 1997, 33, 1315.	1.0	27
25	Investigation into the distribution of ink components on printed coated paper. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 205, 183-198.	4.7	26
26	Investigation into the distribution of ink components throughout printed coated paper. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 205, 199-213.	4.7	26
27	Artificial domain structures realized by local gallium focused Ion-beam modification of Pt [*] Co [*] Pt trilayer transport structure. <i>Journal of Applied Physics</i> , 2005, 98, 124102.	2.5	25
28	The entrapment of corrosion products from CoCr implant alloys in the deposits of calcium phosphate: A comparison of serum, synovial fluid, albumin, EDTA, and water. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1587-1596.	2.3	25
29	Dispersion characterisation of CaCO ₃ particles in PP/CaCO ₃ composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 60, 38-43.	7.6	25
30	Focused ion beam deposition of carbon for photomask repair. <i>Microelectronic Engineering</i> , 1990, 11, 421-425.	2.4	23
31	Mode control in vertical-cavity surface-emitting lasers by post-processing using focused ion-beam etching. <i>IEEE Photonics Technology Letters</i> , 1997, 9, 1193-1195.	2.5	23
32	Hybrid lipid-silica microcapsules engineered by phase coacervation of Pickering emulsions to enhance lipid hydrolysis. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7162.	2.8	23
33	The oxidative corrosion of carbide inclusions at the surface of uranium metal during exposure to water vapour. <i>Journal of Hazardous Materials</i> , 2011, 195, 115-123.	12.4	23
34	Investigating the role of microbes in mineral weathering: Nanometre-scale characterisation of the cell-mineral interface using FIB and TEM. <i>Micron</i> , 2013, 47, 10-17.	2.2	23
35	Incorporation of lithium and nitrogen into CVD diamond thin films. <i>Diamond and Related Materials</i> , 2014, 44, 1-7.	3.9	23
36	Top-down design of magnonic crystals from bottom-up magnetic nanoparticles through protein arrays. <i>Nanotechnology</i> , 2017, 28, 155301.	2.6	22

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37	Visualisation of the distribution of ink components in printed coated paper using focused ion beam techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 244, 67-71.	4.7	21
38	Reduction of threading dislocations in ZnO/(0001) sapphire film heterostructure by epitaxial lateral overgrowth of nanorods. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	21
39	Crack initiation and propagation in pile grade A (PGA) reactor core graphite under a range of loading conditions. <i>Journal of Nuclear Materials</i> , 2010, 401, 71-77.	2.7	21
40	Repair of opaque defects in photomasks using focused ion beams. <i>Journal Physics D: Applied Physics</i> , 1987, 20, 1207-1209.	2.8	20
41	Design and performance analysis of deep-etch air/nitride distributed Bragg reflector gratings for AlInGaN laser diodes. <i>Applied Physics Letters</i> , 2001, 79, 4076-4078.	3.3	20
42	Fabrication of GaN nanowalls and nanowires using surface charge lithography. <i>Materials Letters</i> , 2008, 62, 4576-4578.	2.6	19
43	Statistical analysis of particle dispersion in a PE/TiO ₂ nanocomposite film. <i>Composite Structures</i> , 2010, 92, 2203-2207.	5.8	19
44	Magnetoconductivity in a mesoscopic antidot array. <i>Physical Review B</i> , 1993, 47, 7348-7353.	3.2	18
45	Dual-purpose VCSELs for short-haul bidirectional communication links. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 1548-1550.	2.5	18
46	The Influence of Specific Anion Adsorption on the Surface Roughness of Electrodeposited Polycrystalline Cu Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, D193.	2.9	18
47	Deformation and fracture of irradiated polygranular pile grade A reactor core graphite. <i>Journal of Nuclear Materials</i> , 2011, 418, 223-232.	2.7	18
48	Overview of strength, crack propagation and fracture of nuclear reactor moderator graphite. <i>Nuclear Engineering and Design</i> , 2013, 263, 431-442.	1.7	18
49	Measurements by x-ray diffraction of the temperature dependence of lattice parameter and crystallite size for isostatically-pressed graphite. <i>Carbon Trends</i> , 2021, 4, 100071.	3.0	18
50	Understanding fracture behaviour of PGA reactor core graphite: Perspective. <i>Materials Science and Technology</i> , 2014, 30, 129-145.	1.6	17
51	Engineering of a Mo/Si _x N _y Diffusion Barrier to Reduce the Formation of MoS ₂ in Cu ₂ ZnSnS ₄ Thin Film Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 2749-2757.	5.1	17
52	The role of the surface chemistry of CoCr alloy particles in the phagocytosis and DNA damage of fibroblast cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 363-372.	4.0	16
53	Simple technique for bandwidth enhancement of multimode fibre links using controlled spatial emission from vertical cavity surface emitting lasers. <i>Electronics Letters</i> , 1998, 34, 2038.	1.0	15
54	Threshold current reduction in InGaN MQW laser diode with /4 air/semiconductor Bragg reflectors. <i>Electronics Letters</i> , 2000, 36, 1706.	1.0	14

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55	Analysis of boron-10 in soft tissue by dynamic secondary ion mass spectrometry. <i>Journal of Microscopy</i> , 2004, 213, 39-45.	1.8	14
56	Fragile three-dimensionality in the quasi-one-dimensional cuprate PrBa ₂ Cu ₄ O ₈ . <i>New Journal of Physics</i> , 2006, 8, 172-172.	2.9	14
57	Corrosion of the alloys Magnox AL80, Magnox ZR55 and pure magnesium in air containing water vapour. <i>Corrosion Science</i> , 2016, 112, 347-363.	6.6	14
58	Fabrication and characterizations of proton-exchanged LiNbO ₃ waveguides fabricated by inductively coupled plasma technique. <i>Applied Physics Letters</i> , 2006, 88, 142905.	3.3	13
59	Fabrication and measurement of a photonic crystal waveguide integrated with a semiconductor optical amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 768.	2.1	13
60	Thermal conductivity and Seebeck coefficients of icosahedral boron arsenide films on silicon carbide. <i>Journal of Applied Physics</i> , 2010, 108, 084906.	2.5	13
61	Comparative Study of Mode Control in Vertical-Cavity Surface-Emitting Lasers With Photonic Crystal and Micropillar Etching. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 1257-1265.	1.9	13
62	A Study of the Oxidation Behaviour of Pile Grade A (PGA) Nuclear Graphite Using Thermogravimetric Analysis (TGA), Scanning Electron Microscopy (SEM) and X-Ray Tomography (XRT). <i>PLoS ONE</i> , 2015, 10, e0143041.	2.5	13
63	Mode-hop-free, singlemode operation of 2D lattice distributed reflector laser under 2.5 Gbit/s modulation. <i>Electronics Letters</i> , 2000, 36, 141.	1.0	12
64	Determination of the Distribution of Sulphur in Wheat Starchy Endosperm Cells Using Secondary Ion Mass Spectroscopy (SIMS) Combined with Isotope Enhancement. <i>Journal of Cereal Science</i> , 2003, 37, 311-318.	3.7	12
65	The effect of ion energy on the deposition of amorphous carbon phosphide films. <i>Diamond and Related Materials</i> , 2003, 12, 979-982.	3.9	12
66	Focused ion beam fabrication of two dimensional photonic crystals in silicon-on-insulator. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 2533.	1.3	12
67	Single lateral mode mid-infrared laser diode using wavelength-scale modulation of the facet reflectivity. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	12
68	Modelling deformation and fracture of Gilsocarbon graphite subject to service environments. <i>Journal of Nuclear Materials</i> , 2018, 499, 18-28.	2.7	12
69	Examination of Surface Deposits on Oldbury Reactor Core Graphite to Determine the Concentration and Distribution of ¹⁴ C. <i>PLoS ONE</i> , 2016, 11, e0164159.	2.5	12
70	Comparison of focused ion beam and laser techniques for optical mask repair. <i>Microelectronic Engineering</i> , 1987, 6, 597-603.	2.4	11
71	Evaluation of surface deposits on the channel wall of trepanned reactor core graphite samples. <i>Journal of Nuclear Materials</i> , 2014, 445, 91-97.	2.7	10
72	A study of breakaway oxidation of 9Cr-1Mo steel in a Hot CO ₂ atmosphere using Raman spectroscopy. <i>Materials at High Temperatures</i> , 2018, 35, 50-55.	1.0	10

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73	Focused ion-beam assisted deposition of tungsten and carbon. <i>Journal of Physics Condensed Matter</i> , 1991, 3, S199-S206.	1.8	9
74	Investigation of artificial domains realized by local gallium focused ion-beam modification of Pt ⁺ •Co ⁺ •Pt trilayer structures. <i>Journal of Applied Physics</i> , 2006, 99, 08C504.	2.5	9
75	Dispersion characterization in layered double hydroxide/Nylon 66 nanocomposites using FIB imaging. <i>Journal of Applied Polymer Science</i> , 2008, 108, 4108-4113.	2.6	9
76	The use of focused ion beams for the characterisation of industrial mineral microparticles. <i>Applied Clay Science</i> , 2008, 39, 72-77.	5.2	9
77	Low-field magnetotransport study of localization in a mesoscopic antidot array. <i>Physical Review B</i> , 1993, 47, 7354-7360.	3.2	8
78	The effect of the microscale distribution of boron on the yield strength of C-Mn steels subjected to neutron irradiation. <i>Acta Materialia</i> , 2002, 50, 4395-4417.	7.9	8
79	Focused ion beam etching for the fabrication of micropillar microcavities made of III-V semiconductor materials. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 1197.	1.3	8
80	Preparation of location-specific thin foils from Fe-3% Si bi- and tri-crystals for examination in a FEG-STEM. <i>Ultramicroscopy</i> , 2009, 109, 147-153.	1.9	7
81	A comparison of two high spatial resolution imaging techniques for determining carbide precipitate type and size in ferritic 9Cr-1Mo steel. <i>Ultramicroscopy</i> , 2019, 205, 13-19.	1.9	7
82	Surface diagnostics of dry etched III-V semiconductor samples using focused ion beam and secondary ion mass spectrometry. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999, 17, 3080.	1.6	5
83	Microstructural characterization and analysis of inclusions in C-Mn steel and weld metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 615-628.	2.2	5
84	Tapered waveguide with parabolic lens: theory and experiment. <i>Optical Engineering</i> , 2003, 42, 792.	1.0	5
85	Proton exchange and diffusion in LiNbO ₃ using inductance coupled high density plasma. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 1161.	1.3	5
86	Arsenic and Antimony Doping: An Attempt to Deposit n-type CVD Diamond. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1039, 1.	0.1	5
87	Surface roughness analysis of electrodeposited Cu. <i>Electrochimica Acta</i> , 2007, 53, 229-232.	5.2	5
88	Design and fabrication of a midinfrared photonic crystal defect cavity in indium antimonide. <i>Journal of Optics</i> , 2009, 11, 054006.	1.5	5
89	Residual stress relaxation measurements across interfaces at macro-and micro-scales using slitting and DIC. <i>Journal of Physics: Conference Series</i> , 2009, 181, 012078.	0.4	5
90	Fabrication and magnetic properties of patterned NiFeMo films electrodeposited in self-assembled nanosphere templates. <i>Journal of Applied Physics</i> , 2011, 109, 054313.	2.5	5

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91	Development of a facile fluorophosphonate-functionalised titanium surface for potential orthopaedic applications. <i>Journal of Orthopaedic Translation</i> , 2020, 23, 140-151.	3.9	5
92	Registration mark detection for scanning ion beam lithography. <i>Electronics Letters</i> , 1985, 21, 629.	1.0	4
93	Study of iron-chromium alloys and mixed oxides using focused ion beam optical spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 799-801.	3.0	4
94	Gaussian beam profile and single transverse mode emission from previously multimode gain-guided VCSEL using novel etch. , 2000, 3946, 219.		4
95	Polarization pinning of a VCSEL array. , 2000, , .		4
96	10 Gbit/s singlemode operation of two-dimensional-lattice distributed reflector laser. <i>Electronics Letters</i> , 2000, 36, 2014.	1.0	4
97	Successes and Challenges Associated with Solution Processing of Kesterite $\text{Cu}_2\text{ZnSnS}_4$ Solar Cells on Titanium Substrates. <i>ACS Applied Energy Materials</i> , 2020, 3, 3876-3883.	5.1	4
98	FIB repair of integrated circuits. <i>Microelectronic Engineering</i> , 1992, 17, 423-426.	2.4	3
99	Field emission observed from metal-diamond junctions revealed by atomic force microscopy. <i>Applied Physics Letters</i> , 2007, 90, 242109.	3.3	3
100	Surface charge lithography for GaN micro- and nanostructuring. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
101	Surface Roughness and Magnetic Properties of Electrodeposited NiFeMo Thin Films. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, D7.	2.2	3
102	Patterning of fine structures in silicon dioxide layers by ion beam exposure and wet chemical etching. <i>Applied Physics Letters</i> , 1986, 49, 654-656.	3.3	2
103	Dual-purpose vertical-cavity surface-emitting lasers for data communications applications. , 0, , .		2
104	High performance multimode fibre link using ring-lasing vertical cavity surface emitting lasers. , 0, , .		2
105	Investigation of 2-D-lattice distributed reflector lasers. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 1485-1492.	1.9	2
106	Focused ion beam fabrication of photonic crystal structures. , 0, , .		2
107	A detailed fitness-for-purpose assessment of turbine valve spindles. <i>Engineering Failure Analysis</i> , 2006, 13, 747-766.	4.0	2
108	Application of surface charge lithography to nanostructuring of GaN epilayers. <i>Surface Engineering and Applied Electrochemistry</i> , 2008, 44, 6-8.	0.8	2

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109	Fabrication and characterization of GaInNAs/GaAs semiconductor optical amplifiers. Proceedings of SPIE, 2008, , .	0.8	2
110	Static and dynamic properties of vertical-cavity surface-emitting semiconductor lasers with incorporated two-dimensional photonic crystals. Proceedings of SPIE, 2008, , .	0.8	2
111	Characterization of size, aspect ratio and degree of dispersion of particles in filled polymeric composites using FIB. Clay Minerals, 2009, 44, 195-205.	0.6	2
112	Study of Reticulated Vitreous Carbon Foam as a Quasi-Brittle Material. Key Engineering Materials, 0, 665, 229-232.	0.4	2
113	Magnetic properties of ultrathin CO/Pt multilayer Hall devices irradiated using focused ion beam. Physica B: Condensed Matter, 2015, 476, 158-160.	2.7	2
114	Synthesis of carbon-13 labelled carbonaceous deposits and their evaluation for potential use as surrogates to better understand the behaviour of the carbon-14-containing deposit present in irradiated PGA graphite. Journal of Nuclear Materials, 2016, 470, 268-277.	2.7	2
115	The Evaluation of Deformation and Fracture of Gilsocarbon Graphite Subject to Service Environments: Experimental and Modelling. Key Engineering Materials, 0, 754, 91-94.	0.4	2
116	The Impact of Alkaliphilic Biofilm Formation on the Release and Retention of Carbon Isotopes from Nuclear Reactor Graphite. Scientific Reports, 2018, 8, 4455.	3.3	2
117	Carbide precipitation associated with carburisation of 9Crâ€“1Mo steel in hot CO2 gas. Materialia, 2019, 7, 100415.	2.7	2
118	Small-Scale Approaches to Evaluate the Mechanical Properties of Quasi-Brittle Reactor Core Graphite. , 2014, , 84-104.		2
119	Focused Ion Beam Etching of GaN. MRS Internet Journal of Nitride Semiconductor Research, 1999, 4, 769-774.	1.0	2
120	<title>Scanning Ion Beam Lithography For Sub-Micron Structure Fabrication</title>. , 1983, 0393, 129.		1
121	Mode-Controlled Vertical Cavity Surface Emitting Lasers for Bandwidth Enhancement of Multimode Fibre Links. , 0, , .		1
122	Focused ION Beam Etching of GaN. Materials Research Society Symposia Proceedings, 1998, 537, 1.	0.1	1
123	Vertical-cavity based optoelectronic transceivers. , 0, , .		1
124	Enhanced-performance operation of InGaN MQW lasers with air/nitride-distributed Bragg reflector defined by focused ion beam etching. , 2001, , .		1
125	1..25-Gb s/sup -1/ bidirectional multimode-fibre data link using a dual-purpose vertical-cavity laser & detector. , 0, , .		1
126	Novel athermal WDM laser with polymer grating. , 2004, 5280, 189.		1

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127	Distribution of boron within the microstructure of a ferritic steel determined using secondary ion mass spectrometry. Philosophical Magazine, 2006, 86, 1277-1286.	1.6	1
128	Novel Fabrication Technique of Proton-exchanged Waveguide Based on LiNbO ₃ Using Inductively Coupled Plasma. , 2007, , .		1
129	Boron Doping of Microcrystalline and Nanocrystalline Diamond Films: Where is the Boron Going?. Materials Research Society Symposia Proceedings, 2007, 1039, 1.	0.1	1
130	Multi-Scale Mechanical Property Characterisation of Quasi-Brittle Filter Graphite. Key Engineering Materials, 0, 627, 53-56.	0.4	1
131	Multi-scale characterization and modelling of damage evolution in nuclear Gilsocarbon graphite. Materials Research Society Symposia Proceedings, 2015, 1809, 1-6.	0.1	1
132	Evaluation of the use of magnetic sector secondary ion mass spectrometry to investigate ¹⁴ C distribution in Magnox reactor core graphite. Mineralogical Magazine, 2015, 79, 1327-1334.	1.4	1
133	Recyclage par solvolysse des matriaux composites thermodurcissables du transport de surface. Materiaux Et Techniques, 2012, 100, 493-503.	0.9	1
134	Post-processing of vertical-cavity surface-emitting lasers for transverse mode and polarization control. , 0, , .		0
135	Beam control and manipulation in vertical-cavity surface-emitting lasers. , 1997, , .		0
136	Spatial emission control of vertical cavity surface emitting lasers to provide bandwidth gain in multimode fibre links using a simple alignment technique. , 0, , .		0
137	Mechanism of polarisation pinning in vertical cavity surface emitting lasers using focused ion beam etching. , 0, , .		0
138	High power laser with integrated lens using focused ion beam etching. , 0, , .		0
139	Dual-purpose vertical-cavity optoelectronic components for data communication applications. , 1999, , .		0
140	Analysis of polarization pinning in vertical-cavity surface-emitting lasers using etched trenches. , 1999, , .		0
141	Gaussian etched single transverse mode vertical-cavity surface-emitting laser. , 2000, , .		0
142	2D-lattice distributed reflector laser. , 2000, , .		0
143	Reduced threshold current and enhanced mode selectivity in InGaN MQW lasers with deeply etched air/nitride distributed Bragg reflector. , 0, , .		0
144	Design and fabrication of air/semiconductor Bragg gratings for short wavelength nitride-based lasers. , 2001, , .		0

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145	Investigation of 2D-lattice distributed reflector lasers. , 0, , .		0
146	Eye-opening lattice work. IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems, 2003, 19, 18-25.	0.4	0
147	GaNAs/GaAs Quantum-Well Semiconductor Optical Amplifiers for Simultaneous Multi-wavelength Amplification. , 2007, , .		0
148	Application of Cryo-SIMS to the analysis of polar ice. Journal of Glaciology, 2007, 53, 63-70.	2.2	0
149	Impact of geometrical parameters on an oxide confined vertical cavity surface emitting laser with an integrated photonic crystal. , 2008, , .		0
150	Design and fabrication of a mid infra-red photonic crystal defect laser in Indium Antimonide. , 2008, , .		0
151	Static and dynamical characteristics of semiconductor vertical-emitting lasers with incorporated photonic crystals. , 2008, , .		0
152	Functional Mapping of Single Molecules and Gels using Atomic Force Microscopy. Biophysical Journal, 2009, 96, 644a.	0.5	0
153	Design and fabrication techniques for a mid-infrared photonic crystal defect cavity in indium antimonide. , 2010, , .		0
154	Initial microstructural study of a Ce-La alloy using electron backscattered diffraction. Journal of Alloys and Compounds, 2011, 509, 4284-4289.	5.5	0
155	Enhancing the performance of Mid-InfraRed lasers using structured facets. , 2012, , .		0
156	A Gallium Nitride Distributed Bragg Reflector cavity for integrated photonics applications. , 2012, , .		0
157	Vertical-cavity surface-emitting lasers with incorporated photonic crystals for transverse mode control. Semiconductor Science and Technology, 2012, 27, 094010.	2.0	0
158	Investigation of temperature dependent magnetic properties in irradiated Co/Pt multilayer devices using Extraordinary Hall effect measurements. , 2015, , .		0
159	A Gallium Nitride Distributed Bragg Reflector Cavity for Integrated Photonics Applications. , 2012, , .		0
160	Vertical cavity optoelectronic transceivers for short distance data communications links. , 0, , .		0