

	out of 18	out of 18	out of 23	out of 23
2-dimensional materials	4			
3-D point registration	10			
absorbing sets			12	
accelerometer	5			
activate	1			
adaptive			0	
amplifier			0	
amplitude			0	
analog/analog circuits			0	0
analysis	0			
anatomy			6	
angle of arrival	2			
angle of departure	3			
antenna	0		0	0
antenna array	2			
antimicrobial resistance	9			
approximation	0			
architecture			0	
artifact			1	
artificial material			4	
asymptotic expansion	7			
attention	1			
auto-encoder	7			
autocorrelation			1	
backpropagation	0	0		
bandgap	4			
bandwidth			0	0
bandwidth/dual-band	0			
barycenter	13			
beam pattern			5	
beamforming			4	
beamwidth	4			
bendable			2	
bending			2	
bias stability	5			
bike-chain approach			4	
binary symmetric channel	8			
biosensing	2			
bit error rate	3	1		
bits	0			
BJT			0	
brain			0	

cable			0
capacity			0
channel	0		0
channel tracking	5		
chaos	4		
charge carrier	1		
chemical identification	5		
circuit			0
classification/classifier			0
CMOS			0
codelength			5
codewords	2		3
coding			0
coherence	0		
coil			1
compressed sensing	3		
compressive bonding			2
computation			0
computer vision			1
conduction band	2		
confocal	6		
constant weight code	6		
contacts	2		
contrastive autoencoders			12
convex cones			8
convolutional	1		
convolutional code	5		
copper			0
computing			0
correlation			0
corrugations			5
covariance intersection	14		
crosspol (polarization)	7		
Curie temperature	10		
CW laser			9
data-fidelity	5		
dB	0		
decision			0
decision making			0
decode/decoding			0
deconvolve			8
deep learning	1	2	
deep reinforcement learning			3

delay spread	4		
density			0
deposition			4
detection/detector	0	0	
devices	0		
diagnostics			0
dicom			12
digital circuits			0
digital design			1
digital modulation	5		
dimension reduction	3		
diode			0
distributed feedback lasers			6
DNA	0		
domain wall skyranious?	11		
duality			1
duplex			4
EEG	12		
Eigenvalue			0
eimplant			6
elastomers			5
electric field	0		
electrochemistry			5
electrodynamics			2
electronic spectrum analyzer			1
electrons	0		
elegance	7		
eletromagnetism/electromagnetics	1		0
ellipsoidal			3
embedding visualization	11		
encode/encoding			0
energy			0
engineering	0		
entropy			1
enzyme-linked immuno sorbent assay	14		
equalization			3
error	0		0
error correcting codes			0
error floor			8
estimation	0		
exchange coupling	11		
excitation	1		
external cavity laser			8

fading	5		
failure		0	
femtosecond laser	4		
field of view (FOV)	7		
field-effect transistor	4		
filament		9	
filter		0	
first null	5		
fixed-point method		6	
flexible? Flexible?		1	
flexible electronics ?		5	
Flexistrate™		13	
FLOWP (Fan out Water level packaging)		8	
Fourier transform	0		
free spectra range		7	
frequency	0	0	0
frequency comb		7	
FYUX		3	
gain		0	
gain/directivity	2		
gate	0		
gated recurrent unit	11		
generative adversarial		5	
genetics	0		
geometrical optics	6		
golden-angle trajectory	10		
gradient descent	1		
graphene	5		
gratings	4	8	
hall effect	4		
Hamming distance	4	7	
heuristic	4		
hexaferrite		16	
hidden Markov model	7		
high dimensional	0		
hippocampus		11	
hologram	4		
hypothesis	0		
illustrate		0	
imaging	0	0	
in-phase/quadrature	1		
inductance/capacitance	0		
inductors		0	

information		1	
infrared		0	
infrared light	2		
input matching		0	
insertion (ensertion??)	4		
insertion loss		8	
inter-symbol interference	4		
interconnects		1	
interference		0	
inverse problems		6	
iterative algorithms		1	
kalman filter	4		
kernel	1		
label free	7		
labeling		0	
laser lift off technology		6	
LDMOS		13	
lens		0	
learning		0	
lie group transformation	9		
linear		0	
linear programming		1	
linearity		0	
lithography	5		
LNA		8	
long short-term memory	1	3	
loss	0		
low-power		0	
machine learning		0	
magnet		0	
magnetic doping	4		
magnetic proximity effect	4		
magnetic resonance imaging	3		
magnetization		4	
magneto-optical Kerr effect	10		
maintenance		0	
manifold learning	10		
manual		0	
MAP estimator	7		
markov chain	2		
matched load	5		
matrix		0	0
maximum		0	

mean			0	
mechanism	6			
mechanistics			11	
memory			0	
metasurface			9	7
method of moments	6			
microfluidic	6		6	
microresonator			6	
microtechnology			0	
millimeter wave communication	1			
MIMO			2	
mixer			1	
mobility	1	0		
modelling	0			
monocrystalline material	8			
monotone operator			15	
MOSFet			0	
motorized			3	
multipath	0			
multipath, MIMO	7			
neural networks			0	
NN	9			
noise	0		0	0
noise figure			0	
non-reciprocal			8	
non-uniform fourier transform	4			
Nonvolatile memory (NVM)	6			
Noran/Thermin equivalent	5			
numerical analysis			0	
OPAMP			6	
opitmization	0	1		
optical spectrum analyzer			2	
optics			0	
optimization			0	0
opto mechanics	12			
organic solar cells	1			
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parallel			0	
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parylene?			4	
PDMS?			5	
pendulum			5	
performance	0			

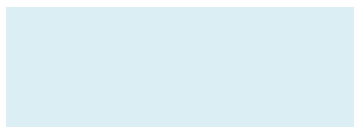
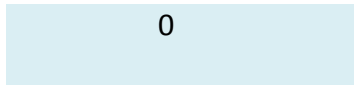
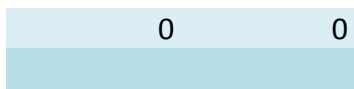
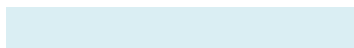
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phased array	2		
phone			0
photo detector			0
pirmal-dual splitting methods			13
pn junctions	1		
point of cowe??	9		
polycrystalline material	5		
polymers			2
power			0
power consumption			0
processing			0
prognostics			12
proofs	0		
propagation	0		
proprioceptive sensing	13		
prototype			3
pulse shaping	4		
QED (quod erat demonstrandum)	8		
quality factor			0
quantum anomalous hall	8		
Quantum cascade laser			7
quantum Hall effect	8		
quantum spin hall	9		
radiation			0
radiation pattern	3		
radio			0
radius			2
rate			0
ratio			0
ray tracing	5		
Rayleigh limit	5		
reactive power	6		
receiver	0		0
reconfirurability	7		
reconstruction	0		
reconstruction algorithm	2		
rectification	5		
recurrent neural network (RNN)	5	4	
redundancy			0
registration			3
reliability			0
remenance			13

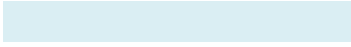
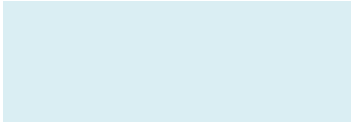
repetition rate			4
resolution	1		
resonator	5		
Restorative Random Access memory (eERAM)	12		
RF (radio frequency)			0
risk			0
sample			0
sampling			2
semiconductor	0	0	
semidefinite programming			13
sensing			0
sensitivity	5		
sensitivity map	6		
sensor array			2
sensor calibration noise	1		
sequence			0
Shannon			0
shot noise	8		
shows?			5
sidelobes	4		
signal			0
signal power	0		
signal-to-noise ratio	0	0	
silicon			0
simulated emission-depletion	11		
simulation			0
slope efficiency			7
slot-filling	12		
SOC	7		
solid liquide interface	5		
source			0
sparse	1		0
spatial			0
spectroscopy			2
spectrum	0		0
speech recognition	0		
speed			0
spetrogram			8
spin hall effect	8		
spin orbit torque	8		
spin-echo sequences	12		
spinning			4
spintronics	8		

stage			0
state machine			4
statistics	0		
stretchable			3
substrate			5
suckling			1
supervised learning			1
surface plasmon waves	6		
surface state	6		
switching	2		
symmetry	0		
synthesis			0
system			0
tanner graph			16
TD-lambda learning			15
temporal			1
tensile bending			2
terahertz	1		2
tesla			0
text-to-speech synthesis	4		
thermal noise	1		
throughput			0
time warming	14		
time-domain spectroscopy	3		
time-reversal symmetry	7		
time-varying			0
topological field theory	9		
topological insulator	10	8	
train, test, validate	1		
training curve	1		
transfer learning			6
transistors	0		
transmission line			0
transmitter	0		0
tunability			4
turbidity	11		
ultra-fast current	4		
valence band	4		
value funtion			1
variance			0
viscosity			6
visual question reasoning	14		
VLSI			0

wave		0	
waveguide		3	2
wavelength	0	1	
wireless		0	0
wireless communication		0	

out of 23 out of 23



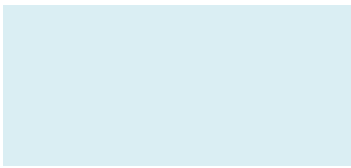
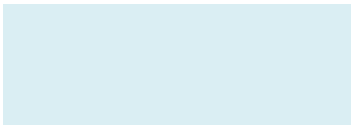


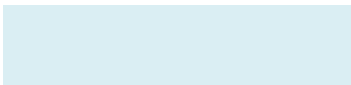
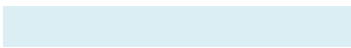
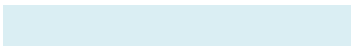
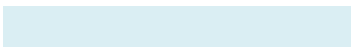
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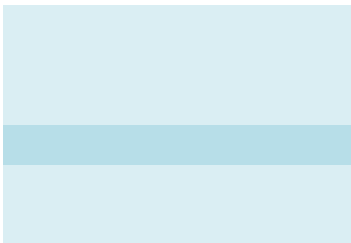
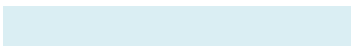
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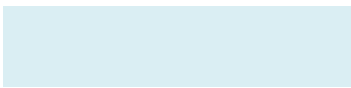
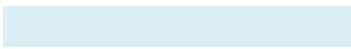
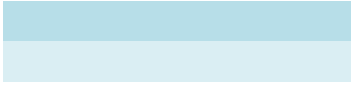
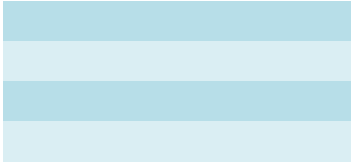


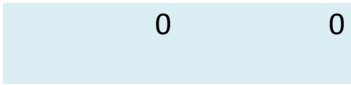
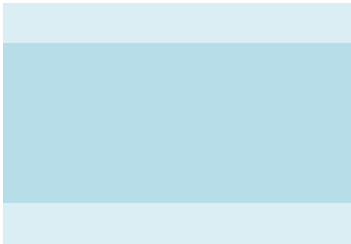


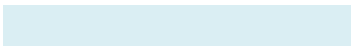
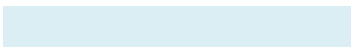
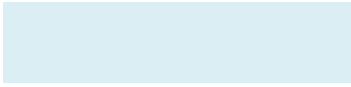
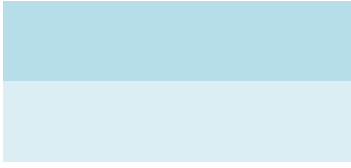


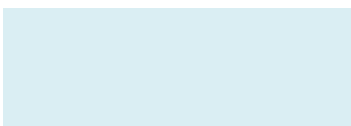
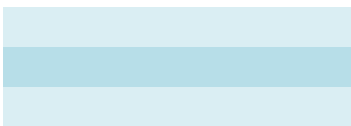
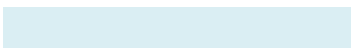
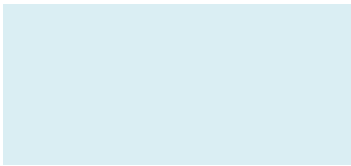
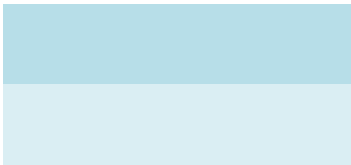
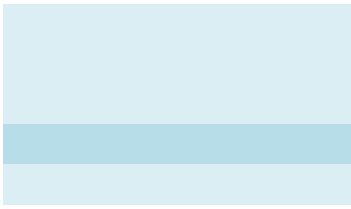
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Light blue bar

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