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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	
asymtotic 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	0
CMOS			0	0
codelength			5	
codewords	2		3	9
coding			0	
coherence	0			
coil			1	
compressed sensing	3			
compressive bonding			2	
computation			0	
computer vision			1	
conduction band	2			
confocual	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	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	0
energy			0	
engineering	0			
entropy			1	
enzyme-linked immuno sorbent assay	14			
equalization			3	
error	0		0	
error correcting codes			0	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 transister	4		
filament		9	
filter		0	
first null	5		
fixed-point method		6	
flexibale? Flexible?		1	
flexible electronics ?		5	
Flexistrate ™		13	
FLOWP (Fan out Water leval 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		
geometetrical 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/quadrative	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			
orstead			16	
parallel			0	
parallel imaging	5			
parylene?			4	
PDMS?			5	
pendulum			5	
performance	0			

permittivity	2			
phased array	2			
phone			0	
photo detector			0	
pirmal-dual splitting methods			13	
pn junctions	1			
point of cowe??	9			
polycrystaline material	5			
polymers			2	
power			0	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	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	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	1
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	
transisters	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	

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