

IMR KINKEN Research Highlights 2019

著者	Institute for Materials Research Tohoku University
journal or publication title	IMR KINKEN Research Highlights
year	2019-07
URL	http://hdl.handle.net/10097/00126951

Author Index

Name	page	Name	page	
A				
Aoki, Dai	37	Nagai, Yasuyoshi	33, 40, 41	
Arima, Hiroshi	19	Nagasako, Makoto	51	
B				
Bauer, Gerrit E. W.	26, 47	Nagumo, Kazuaki	33	
C				
Chen, Ying	46	Nakamura, Shintaro	49	
Chewpraditkul, Weerapong	47	Niinomi, Hiromasa	36	
Chiba, Akihiko	11	Nojiri, Hiroyuki	27, 43	
E				
Elyasi, Mehrdad	26	O		
F				
Fujita, Masaki	31, 48	Ohta, Hitoshi	43	
Fujiwara, Kozo	16	Okamoto, Norihiko L.	20	
H				
Hojo, Tomohiko	9	Onose, Yoshinori	32	
I				
Ichitsubo, Tetsu	20	Orimo, Shin-ichi	23, 45	
Inoue, Koji	33	S		
K				
Kasada, Ryuta	18	Saitoh, Eiji	28	
Kato, Hidemi	13, 21	Sakurai, Takahiro	43	
Kawaguchi, Tomoya	20	Sasaki, Takahiko	30, 49	
Kawazoe, Yoshiyuki	46	Sato, Koji	26	
Kikkawa, Takashi	28	Sato, Mitsutaka	8	
Kimura, Shojiro	43	Sato, Toyoto	23	
Konno, Toyohiko J.	38	Shimizu, Yasuo	33	
Kono, Tatsuoki	45	Shiogai, Junichi	29	
Kosaka, Wataru	35	Shirasaki, Kenji	50	
Kubo, Momoji	17, 46	Suzuki, Tatsuya	40	
M				
Masahasi, Naoya	42, 44	T		
Matsuoka, Takashi	34	Takanashi, Koki	22	
Matsuta, Hideyuki	12	Tanimura, Hiroshi	20	
Miyasaka, Hitoshi	35	Terada, Yayoi	14	
Mizukoshi, Yoshiteru	44	W		
Mohri, Tetsuo	14	Wagatsuma, Kazuaki	51	
N				
Y				
Yodoshi, Noriharu				42
Yoshikawa, Akira				10

Keyword Index

Keyword	page	Keyword	page
A			
actinide	40, 50	high strength steel	9
alloy	11	hydride	23, 45
alpha-ray spectroscopy	50	hydrogen evolution	44, 45
atom probe tomography	33	hydrogen implantation	33
antiferromagnetic	35	I	
antiferromagnets	28	instrumentation	48
C			
computational materials science	14	interface	17
crystal growth	10, 16	L	
crystal structure	20, 23, 51	light yield	47
D			
3D structure	21	(Lu,Gd) ₃ AGG:Ce	47
defects	16	luminescence	51
devices	32	M	
dielectric	38	magnetic properties	12, 22, 42
diffusion	20	magnetism	49
E			
electron microscopy	18, 51	magnetoconductance	30
electronic material	33	mass spectrometry	40
electronic structure	18, 31	mechanical properties	11, 13
energy storage	20, 45	metal	36
epitaxial growth	34	metallic glass	42
F			
fatigue	13	Mg	47
fermi surface	37	microstructure	8, 11, 13
ferromagnetic	35	molecular beam epitaxy (MBE)	29
first principles calculations	46	molecular dynamics	17
foam	21	multi-ferroics	32
fracture	9	N	
frustrated spin system	49	nanostructure	36, 42
G			
GaN	34	neutron scattering	23, 48
GIWAXS	30	nitride semiconductors	34
glow discharge plasma	12, 44	nuclear materials	18, 41
H			
heavy fermion	37	nucleation & growth	36
higher education	14	O	
high magnetic field	27, 43	optical properties	46
high pressure	43	oxide	38
P			
phase transformation			
piezoelectric			
polymer			
porosity			

Keyword	page
Q	
quantum phase transition	43
R	
radiation effects	41
S	
scanning transmission	
electron microscopy (STEM)	41
scintillation decays	47
scintillator	10
short-life alpha-ray emitter	50
simulation	17, 46
solar cells	16
spectroscopy	12
spin current	28
spin excitation	48

Keyword	page
spin wave	26
spintronics	26, 28
steel	8
superconducting	27, 31, 37
synchrotron	19
T	
thin films	22, 29, 38
thermo-electricity	22
topological insulator	29
X	
XAFS	19, 31
X-ray diffraction (XRD)	19
X-ray scattering	27