

KEY WORD INDEX (from vol. 64 no. 1 to vol. 64 no. 12, 2012)

[A]

A δ -fiber1205
Actinomyces689
 acyclovir-resistant herpes simplex virus1063
 addiction911
 adenosine621
 adenosine A_{2A} receptor621
 alcohol and substance dependence163
 allodynia1233, 1267
 Alzheimer(s) disease149, 497, 1047, 1377, 1387, 1411
 AMPA receptor549
 amygdala131, 815, 1241
 amyloid β 497
 amyloid β oligomer497
 amyloid beta protein149
 amyloid imaging423
 amyotrophic lateral sclerosis (ALS)245, 273, 515, 549
 analgesics1315
 androgen receptor (AR)237
 anhedonia332
 animal model639
 anterior cingulate cortex1241
 anti-aquaporin-4 antibody951
 anti-epileptic drug1169
 anti-NMDAR encephalitis1341
 anticoagulation1175
 anticholinergic toxicity1405
 anxiety303, 332
 anxiety disorder131
 apathy332
 aquaporin 4 antibody525
 ascending reticular activating system601
 Asidan937
 astrocyte1233
 ATP receptors1233
 attractiveness743
 audio-visual integration771
 autism spectrum disorder(s)65, 821
 autonomic dysfunction394
 awake surgery993
 awareness about anti-NMDAR encephalitis1341

[B]

basal ganglia364, 871
 bed nucleus of the stria terminalis1241
 bilateral thalamic lesion71
 biological clock647
 biomarker237, 413, 515, 1365
 biopsy79
 bipolar disorder119
 blood patch855
 body weight loss384
 brain119
 brain abscess689
 brain activity761
 brain reward system163
 brain stem (brainstem)601, 629
 brain tumor registry286

[C]

C-fiber1205
 c-Fos1113
 calcitonin gene-related peptide (CGRP) receptor
 antagonists59
 cardioembolic stroke1175
 cardiovascular dysfunction394
 cell-based drug assay/screening system47
 cell-based medicinal products47
 cell transplantation therapy17
 Central Brain Tumor Registry of the United States
 (CBTRUS)286
 central autonomic nervous system1113
 central sensitization1255
 cerebral amyloid angiopathy1377
 cerebral blood flow1411
 cerebral cortex871
 cerebral glucose metabolism1411
 cerebral infarction79
 cerebral metastasis565
 cerebrospinal fluid505, 515, 1347
 channelrhodopsin881
 chick657
 cholangitis1063
 chronic expanding hematoma of the basal ganglia295

chronic pain	1287, 1315, 1323	differential diagnosis	413
chronic subdural hematoma	855	disaster	1097
CIMP	537	disease-modifying drug	149
circadian clock	639	disease modifying therapy	1421
circadian rhythm	647	disease model	29
clinical application of NIRS	1023	disease modification	453
clinical practice	1169	disease progression	453
clinical staging	109	disgust	1103
clinical trial	229	disinhibition	1255
clinical trial design	1141	distal myopathy with rimmed vacuoles	255
cognitive dysfunction	433	DJ-1	505
cognitive impairment	321	dopamine	321, 364, 911, 919
column	831	dopamine dysregulation syndrome	373
comorbidity	1323	dopamine replacement therapy	373
comparative cognition	793	dorsal raphe nucleus	929
copy number variants	139	DP ₁ receptor	621
copy number variation (CNV)	65, 109	DRG neuron	1255
cortical spreading depression	59	drug development	229
cortico-cortical evoked potential	979	drug-induced delirium	1405
cortico-striato-thalamo-cortical circuitry	903	drug-induced dementia	1405
corticobasal degeneration	462, 943	drug lag	229
corticobasal syndrome	462	Duchenne muscular dystrophy	39
corticomotoneuronal pathway	1331	dystrophin	39
craniotomy	855	[E]	
cytokine	273	ectopic discharge	1249
[D]		edema	79
decision-making	891, 911	elderly people	1063
decision-making deficit	1121	electrical cortical stimulation	979
deep brain stimulation	373	electrical stimulation	993
degeneration of the cardiac sympathetic nerve	403	electrocorticography	1001
delusion	697	emotion	737, 1241
dementia	444, 497, 937, 1097, 1387, 1399	emotional experience	1103
dementia with Lewy bodies	505, 1069	enzyme-linked immunosorbent assay	505, 515
depression	332, 444, 919, 1159, 1387	epidemiology	286, 1287, 1387
depressive disorder	119	epigenetics	163
destructive procedure	1307	epilepsy	979, 993, 1399
developing clinical research experts	225	epilepsy surgery	681, 1013
development of drug dependence	163	epilepsy with higher brain dysfunction (E-HBD)	1399
developmental disorders	139	event-related potential(s)	433, 717
dexterity	1331	evolution	793
diabetes mellitus	1411	excessive daytime sleepiness	342
diabetic neuropathy	1225	executive dysfunction	433
diagnosis	1047, 1273	executive function	321
diagnostic criteria	1365	exome	109
diaschisis	1069	expression	743

(iii)

[F]

face	727, 737, 743, 753, 761
face cells	841
face illusion	779
face inversion effect	779
face patches	841
face perception	771
face recognition	793, 821
facial emotion recognition	821
facial expression	717, 815
facial expression recognition	799
facial identity	841
facial recognition	717
familial brain tumor	557
fatigue	384
FDG-PET	1013
fear	1097
fingolimod	1421
food-anticipatory activity	647
frontal lobe psychiatric disorders	175
frontostriatal circuitry	321
frontotemporal dementia	697, 943
frontotemporal lobar degeneration	149, 462, 697
functional connectivity	979
functional lateralization	1023
functional magnetic resonance imaging (MRI), fMRI	611, 737, 831, 903, 1001, 1267
functional network analysis	423
functional neuroimaging	175
fusiform area	727

[G]

GABA	601
galanin	629
gastrointestinal dysfunction	394
gaze	737
gaze direction	815
gaze illusion	779
genetics	139
genome-wide association study (GWAS)	109
geometrical illusion	779
GFAP	525
GGCCTG hexanucleotide expansion	937
glia	1233
gliding contusion	1427
glioblastoma	1151

glioma	537
global	229
glutamate	601, 911
GNE	255
GNE myopathy	255
guideline	1159
[H]	
hallucination	697
head injury	1427
hemorrhagic transformation	1175
hepatocyte growth factor	245
hereditary inclusion body myopathy	255
herpes simplex encephalitis	1063
hierarchy	831
high-grade astrocytoma	1151
higher brain dysfunction	1387
histopathology	1151
history taking	1273
human genome	65
human induced pluripotent stem cells	47
hyperaggregability	185
hyperexcitability	1249
hypertensive small vessel disease	1377
hypothalamus	629
[I]	
IDH1	537
IL-10	1347
image finding	1151
imaging	753
IMM	657
imprinting	657
impulse control disorder	373
incidence	286
induced pluripotent stem cells (iPSCs)	17, 29
infant	761
infection	689
inferotemporal cortex	831
insomnia	303, 342
insula	1103
intension	737
interferon	1421
internal desynchronization	639
intraepidermal nerve fiber density	1225
intraneural microstimulation	1205
intrathecal administration	245

intravenous immunoglobulin therapy	951	mood disorder(s)	119, 1159
[J]		morality	1121
Japan Multiple System Atrophy Research Consortium		motor control	871
(JAMSAC)	1141	motor neuron	549
[L]		MT/V5	727
lacunar stroke	185	multidisciplinary approach	1287
language	979, 1001	multimodal measurement of NIRS	1023
language acquisition	1023	multiple	565
language mapping	993	multiple endocrine neoplasia type 1	557
learning and memory consolidation	611	multiple sclerosis	525, 1421
leuporelin acetate	237	multiple system atrophy (MSA)	1141
levetiracetam	303, 1169	myasthenia gravis	951
Lewy body (bodies)	356, 403	myoblasts	39
literacy in clinical research	225	myopathy	255
localization-related epilepsy	1169	myotonic dystrophy	799
lower limb	1427	myxoma	1175
[M]		[N]	
magnetic resonance imaging (MRI)	1057, 1411	<i>N</i> -methyl-D-aspartate receptor	657
magnetoencephalography	1013	<i>N</i> -methyl-D-aspartate receptor subtype 2B	657
major depression	119	Na ⁺ channel blocker	1249
malignant lymphoma	71	natural history	453
malignant transformation	1151	navigation	263
ManNAc	255	near-infrared spectroscopy (NIRS)	175, 761, 1023
marmoset	245	negative reward	1097
McGurk effect	771	nerve block(s)	1299, 1315
medial amygdaloid nucleus	1113	nerve injury	1249
medial parietal region	263	neural specialization	793
MEG. facial movement	727	neural stem/progenitor cells (NS/PCs)	17
melanin-concentrating hormone	629	neurobiological basis	163
membrane potential	279	neurodegenerative disease	665
memory	743, 1001	neurofibromatosis	557
mental disorders	1323	neuroimaging	109, 131, 139, 1013, 1057, 1365
methamphetamine	639	neuroinflammation	273
MGMT	537	neurological disorder	229
MIBG myocardial scintigraphy	403	neuromyelitis optica	525, 951
microglia	273, 1233	neuropathic pain	1233, 1255, 1267, 1279, 1299, 1307, 1315
microneurography	1205	neuropathy	1249
migraine	59	neuropeptide	629
mild cognitive impairment	1387	neurotransmitter system	423
mirror visual feedback treatment	1279	<i>Nocardia</i>	689
mismatch negativity (MMN)	109	nociception	1215
mitophagy	279	nociceptor	1205, 1215
mixed dementia	1047	non-convulsive status epilepticus (NCSE)	1399
model-free vs. model-based	891	non-destructive procedure	1307
monkey	263, 841	non-motor symptoms of PD	453

nonfluent aphasia	943	preference judgment	1121
nonmotor symptoms	384	prefrontal cortex	891, 929
<i>NOP56</i>	937	pregabalin	1279
noradrenarine	601	prevalence	1287, 1365
normalization	1001	primary central nervous system lymphoma	1347
nuclear factor- κ B (NF- κ B)	273	primate(s)	871, 1331
nucleus accumbens	919	prion	675
[O]		prionoid	665
object recognition	831	prognostic factor	537
obsessive-compulsive disorder	903	progranulin	149
odor identification	356	prolonged	79
olfaction	444	prolonged disturbance of consciousness	1069
olfactory bulb	444	propagation	665, 675
olfactory dysfunction	356	propriospinal neurons	1331
opioids	1315	prosopagnosia	799
optogenetics	881, 903	prostaglandin D ₂	621
orbitofrontal cortex	1121	protein misfolding	665
orexin	629	psychiatric diagnosis	1323
organized	855	psychiatric symptomatology	1323
[P]		psychiatrist	1341
pain	364, 1241, 1273	pulsed radiofrequency	1299
pain matrix	1267	punding	373
paired association	841	pure motor monoparesis	1427
palliative surgery	681	pyramidal tract	1331
panic disorder	332	[Q]	
parallel visual pathways	717	quality of life	1287
paraneoplastic limbic encephalitis	71	quantitative EEG	433
parasagittal white matter shearing injury	1427	questionnaire survey	1341
Parkin	279	[R]	
Parkinson	29	rapid eye movement sleep behavior disorder	342
Parkinson(s) disease	279, 321, 342	recombinant tissue plasminogen activator	1175
356, 364, 384, 394, 403, 413, 423, 433, 453, 799, 1097		regenerative medicine	17, 47
Parkinson's disease with dementia	1365	regulatory guidelines	47
pathology	943	relapse	1063
Pax3	39	REM sleep	601
physical	753	REM sleep behavior disorder	356
PINK1	279	Report of Brain Tumor Registry of Japan (BTRJ)	286
plasticity	1255	reprogramming	39
platelet aggregation	185	restless legs syndrome	342
polypharmacy	303	restricted feeding	647
positron emission tomography (PET)	611, 1267	retroperitoneal leiomyosarcoma	565
posterior cortical atrophy	799	reversal learning	1121
postmortem	929	reversible figure	779
practice-based research	225	rimmed vacuole	255
praxis	979	risk factors	185

RNA editing	549	striatum	871, 881, 891, 903, 911, 919
[S]		substantia nigra	413
sample size estimation	1141	suicide	929
SCA36	937	superior temporal sulcus	737
schizophrenia	109, 815	superoxide dismutase	245
science for healthcare	225	suprachiasmatic nucleus	647
secondarily generalized seizures	303	sweating dysfunction	394
selective neuronal necrosis	1069	symmetrical degeneration	943
selective serotonin reuptake inhibitors (SSRI)	131	synapse	65, 881
selective stimulation	881	[T]	
self	753	t-PA	79
self-face recognition	821	tau	497, 675
sensitization	1205	tauopathy	462
sensory disturbance	364	TDP-43	515, 675
serotonin	131, 601, 929	TDP-43 pathology	549
sex steroids	1113	testosterone	237
sialic acid	255	thalamocortical pathway	1215
silent brain infarcts	185	thallium	689
skeletal muscle	39	thermocoagulation	1299
skin biopsy	1225	titration	1169
sleep	444, 611, 629, 639	tramadol	1279
slow wave sleep	601	transcranial sonography	413
slowly progressive expanding hematoma	295	transcription factor	919
small fiber neuropathy	1225	transmissible amyloidosis	665
social	753	transplantation	29
social complexity	793	treatment	1047, 1159
social impairment	821	trigeminal ganglion	59
social learning	1103	trigemino-vascular system	59
soluble IL-2 receptor	1347	trustworthiness	743
somatic marker	1103	tuberomammillary nucleus	621
somatic-marker hypothesis	1121	tuberous sclerosis	557
somatotopy	1279	tumor heterogeneity	1151
spatial frequency	717	[U]	
SPECT	1013	ultrahigh field	1057
spinal and bulbar muscular atrophy (SBMA)	237	ultrasound-guided	1299
spinal atrophy	951	Unified Multiple System Atrophy Rating Scale (UMSARS)	1141
spinal cord injury	17	unmyelinated fiber	1225
spinal cord stimulation	1307	[V]	
spinal pathway	1215	vagus nerve stimulation	681
spinothalamic pathway	1215	value	891
spontaneous intracranial hypotension	855	vascular cognitive impairment	1377
sporadic disease	65	vascular dementia	1047, 1377
status epilepticus	1069	ventriloquism	771
stimulation system implant	1307	ventriloquist effect	771
stress	919		

ventrolateral preoptic area	621
ventromedial prefrontal cortex	1121
viral transneuronal labeling.....	1113
virtual environment	263
visual Wulst	657
von Hippel-Lindau disease.....	557
voxel-based morphometry	423

〔W〕

wakefulness	629
-------------------	-----

〔その他〕

α -synuclein	403, 505, 675
β_2 -microglobulin	1347
1p/19q codeletion	537
7 tesla.....	1057