

APPENDIX

Appendix A. Search strategies.

PubMed: 386 results

(
(
"Elderly"[tw] OR "Aged"[Mesh] OR "Geriatric"[tw] OR "Older Population"[tw] OR "Older*"[tw]
OR "Senior*"[tw] OR "elder" [tw] OR "geriatric" [tw] OR "Senescence"[Mesh] OR
"Aging"[Mesh] OR "Aging"[tw] OR "Elder Care"[tw] OR "Senior Health"[tw] OR
"Gerontology"[Mesh] OR "Gerontology"[tw] OR "Aged, 80 and over"[Mesh] OR "Elderly
Care"[tw] OR "Geriatric Assessment"[Mesh] OR "Geriatric Assessment"[tw] OR "Senior
Living"[tw] OR "Senior Centers"[tw]
)
AND (
"Dementia"[Mesh] OR "Alzheimer Disease"[Mesh] OR "Cognitive Dysfunction"[Mesh] OR
"Dementia"[tw] OR "Alzheimer Disease"[tw] OR "Cognitive Dysfunction"[tw] OR
"Alzheimer"[tw] OR "dementia, vascular"[MeSH Terms] OR "vascular dementia"[tw] OR
"Alzheimer*"[tw] OR "Age-related Diseases"[tw] OR "Frail Elderly"[Mesh] OR "Frail Elderly"[tw]
OR "Age-related Cognitive Decline"[tw] OR "Cognitive impair*" [tw]
)
)
AND (
"Music Therapy"[tw] OR "Music"[tw] OR "Music Therapy"[Mesh] OR "Music"[Mesh] OR
"Music*"[tw] OR "Art"[tw] OR "Music Intervention"[tw] OR "Musical therapy" [tw] OR "Playing
instruments"[tw] OR "Singing"[tw] OR "song writing"[tw] OR "receptive music therapy"[tw] OR
"Sensory Art Therapies"[Mesh] OR "Acoustic Stimulation"[Mesh] OR "sing"[tw] OR "song"[tw]
OR "music*"[tw] OR "Expressive Therapy"[tw] OR "Expressive Therapies"[Mesh] OR "Musical
Perception"[tw] OR "Music Perception"[Mesh] OR "Music Activities"[tw] OR "Music
Activities"[Mesh] OR "Neurologic Music Therapy"[tw] OR "Music Therapy,
Neurological"[Mesh] OR "Cognitive Rehabilitation through Music"[tw] OR "Improvisational
Music Therapy"[tw] OR "Group Music Therapy"[tw] OR "Music Therapy, Group"[Mesh] OR
"Digital Music Therapy"[tw] OR "Music-based Intervention"[tw] OR "Music-based
Interventions"[Mesh] OR "Therapeutic Musician"[tw] OR "Guided Imagery and Music"[tw] OR
"Music and Imagery"[Mesh]. OR "Music Education"[tw] OR "Music Teaching"[tw] OR "Music
Instruction"[Mesh] OR "Music Curriculum"[tw] OR "Music Pedagogy"[tw] OR "Music
Training"[tw] OR "Music Skills"[tw] OR "School Music"[tw] OR "Music Teacher
Education"[Mesh] OR "Music Learning"[tw] OR "Music Courses"[tw] OR "Music School"[tw]
OR "Music Classroom"[tw]. OR "Therapeutic music" [tw]
)
AND (
"Cognitive reserve"[tw] OR "Cognitive reserve"[Mesh] OR "Cognition"[Mesh] OR "Mental
Functioning"[tw] OR "Brain function"[tw] OR "Cognitive performance"[tw] OR "Cognitive
capacity"[tw] OR "Cognitive skills"[tw] OR "Intellectual function"[tw] OR "Cognitive
processing"[tw] OR "cognitive ability"[tw] OR "memory reserve"[tw] OR "memory ability"[tw]
OR "Mental Status and Dementia Tests"[Mesh] OR "cognit*"[tw] OR "memory*"[tw] OR
"Mental*"[tw] OR "Cognit*"[tw] OR "Intellectual*"[tw] OR "Neurocognitive*"[tw] OR "Brain*"[tw]
OR "Neuroplasticity"[Mesh] OR "Neuroplasticity"[tw] OR "Cognitive Aging"[MeSH] OR

"Neurocognitive Functions"[tw] OR "Neurocognitive Functions"[Mesh] OR "Brain Reserve"[tw] OR "Cognitive Flexibility"[tw] OR "Cognitive Resilience"[tw] OR "Cognitive Enhancement"[tw] OR "Cognitive Aging"[tw] OR "Cognitive Aging"[Mesh] OR "Brain Aging"[tw] OR "Brain Aging"[Mesh] OR "Neural Efficiency"[tw] OR "Mental Agility"[tw] OR "Intellectual Capacity"[tw]
)

Filters: Article Type (Clinical Study - Clinical Trial - Clinical Trial, Phase I - Clinical Trial, Phase II - Clinical Trial, Phase III - Clinical Trial, Phase IV - Controlled Clinical Trial - Multicenter Study - Observational Study - Preprint - Randomized Controlled Trial); Publication Date (10 years); Article Language (English)

Scopus: 102 results

((TITLE-ABS-KEY(Elderly) OR INDEXTERMS(Aged) OR TITLE-ABS-KEY(Geriatric) OR TITLE-ABS-KEY("Older Population") OR TITLE-ABS-KEY(Older*) OR TITLE-ABS-KEY(Senior*) OR TITLE-ABS-KEY(elder) OR TITLE-ABS-KEY(geriatric) OR INDEXTERMS(Senescence) OR INDEXTERMS(Aging) OR TITLE-ABS-KEY(Aging) OR TITLE-ABS-KEY("Elder Care") OR TITLE-ABS-KEY("Senior Health") OR INDEXTERMS(Gerontology) OR TITLE-ABS-KEY(Gerontology) OR INDEXTERMS("Aged, 80 and over") OR TITLE-ABS-KEY("Elderly Care") OR INDEXTERMS("Geriatric Assessment") OR TITLE-ABS-KEY("Geriatric Assessment") OR TITLE-ABS-KEY("Senior Living") OR TITLE-ABS-KEY("Senior Centers")) AND (INDEXTERMS(Dementia) OR INDEXTERMS("Alzheimer Disease") OR INDEXTERMS("Cognitive Dysfunction") OR TITLE-ABS-KEY(Dementia) OR TITLE-ABS-KEY("Alzheimer Disease") OR TITLE-ABS-KEY("Cognitive Dysfunction") OR TITLE-ABS-KEY(Alzheimer) OR INDEXTERMS("dementia, vascular") OR TITLE-ABS-KEY("vascular dementia") OR TITLE-ABS-KEY(Alzheimer*) OR TITLE-ABS-KEY("Age-related Diseases") OR INDEXTERMS("Frail Elderly") OR TITLE-ABS-KEY("Frail Elderly") OR TITLE-ABS-KEY("Age-related Cognitive Decline") OR TITLE-ABS-KEY("Cognitive impair*"))) AND (TITLE-ABS-KEY("Music Therapy") OR TITLE-ABS-KEY(Music) OR INDEXTERMS("Music Therapy") OR INDEXTERMS(Music) OR TITLE-ABS-KEY(Music*) OR TITLE-ABS-KEY(Art) OR TITLE-ABS-KEY("Music Intervention") OR TITLE-ABS-KEY("Musical therapy") OR TITLE-ABS-KEY("Playing instruments") OR TITLE-ABS-KEY(Singing) OR TITLE-ABS-KEY("song writing") OR TITLE-ABS-KEY("receptive music therapy") OR INDEXTERMS("Sensory Art Therapies") OR INDEXTERMS("Acoustic Stimulation") OR TITLE-ABS-KEY(sing) OR TITLE-ABS-KEY(song) OR TITLE-ABS-KEY(music*) OR TITLE-ABS-KEY("Expressive Therapy") OR INDEXTERMS("Expressive Therapies") OR TITLE-ABS-KEY("Musical Perception") OR INDEXTERMS("Music Perception") OR TITLE-ABS-KEY("Music Activities") OR INDEXTERMS("Music Activities") OR TITLE-ABS-KEY("Neurologic Music Therapy") OR INDEXTERMS("Music Therapy, Neurological") OR TITLE-ABS-KEY("Cognitive Rehabilitation through Music") OR TITLE-ABS-KEY("Improvisational Music Therapy") OR TITLE-ABS-KEY("Group Music Therapy") OR INDEXTERMS("Music Therapy, Group") OR TITLE-ABS-KEY("Digital Music Therapy") OR TITLE-ABS-KEY("Music-based Intervention") OR INDEXTERMS("Music-based Interventions") OR TITLE-ABS-KEY("Therapeutic Musician") OR TITLE-ABS-KEY("Guided Imagery and Music") OR INDEXTERMS("Music and Imagery") OR TITLE-ABS-KEY("Music Education") OR TITLE-ABS-KEY("Music Teaching") OR INDEXTERMS("Music Instruction") OR TITLE-ABS-KEY("Music Curriculum") OR TITLE-ABS-KEY("Music Pedagogy") OR TITLE-ABS-KEY("Music Training") OR TITLE-ABS-KEY("Music Skills") OR TITLE-ABS-

KEY("School Music") OR INDEXTERMS("Music Teacher Education") OR TITLE-ABS-KEY("Music Learning") OR TITLE-ABS-KEY("Music Courses") OR TITLE-ABS-KEY("Music School") OR TITLE-ABS-KEY("Music Classroom.") OR TITLE-ABS-KEY("Therapeutic music")) AND (TITLE-ABS-KEY("Cognitive reserve") OR INDEXTERMS("Cognitive reserve") OR INDEXTERMS(Cognition) OR TITLE-ABS-KEY("Mental Functioning") OR TITLE-ABS-KEY("Brain function") OR TITLE-ABS-KEY("Cognitive performance") OR TITLE-ABS-KEY("Cognitive capacity") OR TITLE-ABS-KEY("Cognitive skills") OR TITLE-ABS-KEY("Intellectual function") OR TITLE-ABS-KEY("Cognitive processing") OR TITLE-ABS-KEY("cognitive ability") OR TITLE-ABS-KEY("memory reserve") OR TITLE-ABS-KEY("memory ability") OR INDEXTERMS("Mental Status and Dementia Tests") OR TITLE-ABS-KEY(cognit*) OR TITLE-ABS-KEY(memory*) OR TITLE-ABS-KEY(Mental*) OR TITLE-ABS-KEY(Cognit*) OR TITLE-ABS-KEY(Intellectual*) OR TITLE-ABS-KEY(Neurocognitive*) OR TITLE-ABS-KEY(Brain*) OR INDEXTERMS(Neuroplasticity) OR TITLE-ABS-KEY(Neuroplasticity) OR INDEXTERMS("Cognitive Aging") OR TITLE-ABS-KEY("Neurocognitive Functions") OR INDEXTERMS("Neurocognitive Functions") OR TITLE-ABS-KEY("Brain Reserve") OR TITLE-ABS-KEY("Cognitive Flexibility") OR TITLE-ABS-KEY("Cognitive Resilience") OR TITLE-ABS-KEY("Cognitive Enhancement") OR TITLE-ABS-KEY("Cognitive Aging") OR INDEXTERMS("Cognitive Aging") OR TITLE-ABS-KEY("Brain Aging") OR INDEXTERMS("Brain Aging") OR TITLE-ABS-KEY("Neural Efficiency") OR TITLE-ABS-KEY("Mental Agility") OR TITLE-ABS-KEY("Intellectual Capacity")) AND PUBYEAR > 2013 AND PUBYEAR < 2025 AND (observational AND study AND clinical AND trial) AND (LIMIT-TO (DOCTYPE,"ar")) AND (LIMIT-TO (LANGUAGE,"English"))

Filters: Document type (Limited to Article); Language (Limited to English); Range (2014-2024)

Web of Science: 52 results

1: AB=((
Elder* OR Aged OR Geriatric OR Old* OR Senior* OR Senescence OR Aging OR Gerontology
)
AND (
Alzheimer OR Cognitive Dysfunction OR Dementia OR vascular dementia OR Age-related
Diseases OR Frail Elderly OR Age-related Cognitive Decline OR Cognitive impair*
))

2: AB=(
Music Therapy OR Music* OR song OR Music-based Intervention
)

3: AB=(
Cognitive reserve OR Brain function OR Intellectual function OR memory OR Mental Status
Dementia Tests OR cognit* OR Mental* OR Intellectual* OR Neurocognitive* OR Brain* OR
Neuroplasticity OR Neurocognitive Function* OR Brain Reserve OR Cognitive Flexibility OR
Cognitive Resilience OR Cognitive Enhancement OR Neural Efficiency OR Mental Agility OR
Intellectual Capacity
)

4: (AB=(observational OR clinical trial* OR Controlled Trial OR Controlled Clinical

Trial))

5: #4 AND #1 AND #2 AND #3 and 2024 or 2023 or 2022 or 2021 or 2020 or 2017 or 2019 or 2018 or 2016 or 2015 or 2014 (Publication Years) and Article (Document Types) and English (Languages)

(AB=((
Elder* OR Aged OR Geriatric OR Old* OR Senior* OR Senescence OR Aging OR Gerontology
)
AND (
Alzheimer OR Cognitive Dysfunction OR Dementia OR vascular dementia OR Age-related
Diseases OR Frail Elderly OR Age-related Cognitive Decline OR Cognitive impair*
)))
AND
(AB=(
Music Therapy OR Music* OR song OR Music-based Intervention
))
AND
(AB=(
Cognitive reserve OR Brain function OR Intellectual function OR memory OR Mental Status
Dementia Tests OR cognit* OR Mental* OR Intellectual* OR Neurocognitive* OR Brain* OR
Neuroplasticity OR Neurocognitive Function* OR Brain Reserve OR Cognitive Flexibility OR
Cognitive Resilience OR Cognitive Enhancement OR Neural Efficiency OR Mental Agility OR
Intellectual Capacity
))
AND
(AB=(observational OR clinical trial* OR Controlled Trial OR Controlled Clinical
Trial))

Filters: Document Types (Article); Languages (English); Publication Years (2014 or 2015 or 2016 or 2017 or 2018 or 2019 or 2020 or 2021 or 2022 or 2023 or 2024)

CENTRAL: 136 results

(Elderly:ti,ab,kw OR [mh Aged] OR Geriatric:ti,ab,kw OR "Older Population":ti,ab,kw OR
Older*:ti,ab,kw OR Senior*:ti,ab,kw OR elder:ti,ab,kw OR geriatric:ti,ab,kw OR [mh
Senescence] OR [mh Aging] OR Aging:ti,ab,kw OR "Elder Care":ti,ab,kw OR "Senior
Health":ti,ab,kw OR [mh Gerontology] OR Gerontology:ti,ab,kw OR [mh "Aged, 80 and over"]
OR "Elderly Care":ti,ab,kw OR [mh
"Geriatric Assessment"] OR "Geriatric Assessment":ti,ab,kw OR "Senior Living":ti,ab,kw OR
"Senior Centers":ti,ab,kw)
AND
([mh Dementia] OR [mh "Alzheimer Disease"] OR [mh "Cognitive Dysfunction"] OR
Dementia:ti,ab,kw OR "Alzheimer Disease":ti,ab,kw OR "Cognitive Dysfunction":ti,ab,kw OR
Alzheimer:ti,ab,kw OR [mh "dementia, vascular"] OR "vascular dementia":ti,ab,kw OR
Alzheimer*:ti,ab,kw OR "Age-related Diseases":ti,ab,kw OR [mh "Frail Elderly"] OR "Frail
Elderly":ti,ab,kw OR "Age-related Cognitive Decline":ti,ab,kw OR ("Cognitive" NEXT
impair*):ti,ab,kw)

AND

"Music Therapy":ti,ab,kw OR Music:ti,ab,kw OR [mh "Music Therapy"] OR [mh Music] OR Music:ti,ab,kw OR Art:ti,ab,kw OR "Music Intervention":ti,ab,kw OR "Musical therapy":ti,ab,kw OR "Playing instruments":ti,ab,kw OR Singing:ti,ab,kw OR "song writing":ti,ab,kw OR "receptive music therapy":ti,ab,kw OR Dance:ti,ab,kw OR [mh "Sensory Art Therapies"] OR [mh "Acoustic Stimulation"] OR sing:ti,ab,kw OR song:ti,ab,kw OR music:ti,ab,kw

AND

"Cognitive reserve":ti,ab,kw OR [mh "Cognitive reserve"] OR [mh Cognition] OR "Mental Functioning":ti,ab,kw OR "Brain function":ti,ab,kw OR "Cognitive performance":ti,ab,kw OR "Cognitive capacity":ti,ab,kw OR "Cognitive skills":ti,ab,kw OR "Intellectual function":ti,ab,kw OR "Cognitive processing":ti,ab,kw OR "cognitive ability":ti,ab,kw OR "memory reserve":ti,ab,kw OR "memory ability":ti,ab,kw OR [mh "Mental Status and Dementia Tests"]

Filters: Language (English); Year first published (2014-2024)